U. S. DEPARTMENT OF COMMERCE FREDERICK H. MUELLER, Secretary WEATHER BUREAU F. W. REICHELDERFER, Chief

STORM DATA

JULY 1959 Volume I No. 7



ASHEVILLE: 1959

JULY 1959

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PLACE			H OF PATH	WIDTH OF PATH (YARDS)		SONS		AGE	CHARACTER OF STORM	PLACE			LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)		SONS		MGE	CHARACTER OF STORM
	DATE	- E	LENGTH OF (MILES)	¥IDI¥	KILLED	INJURED	PROPERTY	CROPS	JIONA		DATE	TIME	LENGT	#IDI#	KILLED	INJURED	PROPERTY	CROPS SY	STORM
ALABAMA Dallas County, Seima	1	12:40 pm	1/8	50	0	3	4	٥	Tornado	ARI ZONA	1	ĺ							Ì
200000000000000000000000000000000000000		1		-				j	cloud dipped	Scottsdale	2	Af ternoon			1			İ	
	mas	onry buil	ding.	Buildi	n ego	earby	were	only s	lightly damaged.		Man	died of ?	eatstr	oke					District
	det	ris. Sto	m app	rently	move	d fro	n east	to we	njured by flying st.	Tempe	Auto	Evening mobiles co	nlided	in sev	ere o	usts	torm p	recedi	Duststorm ng thunderstorm
Covington County		P.M.			0	3	٥	1	Lightning	Willcox	7	5:30 p.					l.		Wind and rain
	fer	ce youths ce which several	as st	d uncor	ligh	ds wh tning	en sta • All	were	hear a wire hospitalized			unroofed damage \$6		, rain	damag	ed i	terio	rs. W	and damage \$9,000
Montgomery County		P.M.			0	0	lı.		Thunderstorm &	Phoenix	8	Afternoor	Ī		1				
		evere thu									Woma	n died of	heatst	roke			}		
	dan	tte red da aged a fe med a fter	farm	buildin	iga a	hd up	rooted		One house	Casa Grande	9	Evening			4				Duststorm
Tuscaloosa County,		P.M.			1	0	0	0	Lightning		ļ	k-car coll] .	stor				
Tuscaloosa	Lig	htming st	ruck y	uth wh	lle w	erkin	gine	emeter	7.	Paradise Valley Gila Bend	10	6:00 p.	5.	500	1		L ;		Wind
ALASKA										bila send	Man	died of he		stratio	Į				
Fairbanks	1	3:00 to	4	*2			6	2	Thunderstorm with	Happy Jack	15	Afternoon			1				Lightning
	 	5:00 P.M.							heavy rain and hail t 3:32 P.M. on	Phoenix	16	Evening				5 :-			Wind
	July	1 as obs	erved	at the	Weath	er Bu	reau A	rport	Station; time of precipitation	Prescott	16	Afternoon				1			Lightning
	obs	erved at t	he Wea	ther Bu	reau	Airpo	rt Sta	tion r	uch heavier amounts 1, but reliable, within a half hour	Sunnyslope	17	Evening					5		Wind
	ner	a bas bou	total	¢£ 1.30	in.	for t	he 2-h	ibur pe	within a half hour riod from 3:00 P.M. infall overtaxed	Mesa-Chandler-Phoenix	17	Evening The Mesa-	Chandl	er area	s vei	l e hai	6 dest	Ht.	Wind The storm was
	the	drainage	f acili	ties pr	ovide	din.	the ur	ban Fa	rbanks area and mage to basement		l		ed by	heavy r	ain,	light	ning	and son	e hail. Nearly
	sto	dage in bo mulated w	th bus	iness e eft con	stabl sider	ishme able	nts ar silt i	n priv	rete homes. The flooded basements.	Tucson	19	Evening				1			Lightning
	dra	inage faci	lities	was di	verte	ed thr	bugh s	upport	erried by the ing soil and fill ns under buildings	Coolidge-Eloy and Casa Grande	19	Midnight					5		Wind
	and	paving.	At lea	st 10 s	treet	cave	ins r	esulte	d from the removal	Tucson and vicinity	21	5:30 p.					5		Wind and rain
	A1ti	hough hail	fell	n the	North	Fair	banks	(Slate	rville) area where		Apr \$25	roximately	\$50,0	00 dama	ge to	cou	nty ro	ads by	flooding and er; approximatel
	the	Universit	y Expe	iment	ätati	on pr	actica	ily a	was reported from damages are spid runoff. No	'	\$25	000 wind:	damage	•				"	, approximated
	cro	damage w	as rep	orted.	Tot	àl da	mages	have 1	een estimated in	Buckeye	26 Mor	Afternoor died of h		nke	1				
Bristol Bay area and		-	600	* 300	2		6		Widespread	Phoenix	26	6:00 p.	040502	Ų.	ı		•6	С	Wind and rain
across the Alaska Peninsula to Kodiak Island and the Kenai	21 The	strong wi	nds wh	ich lasi	hed t	he in	dicate	d area	windstorm during this period	ľ	A S	evere thur	derate	um whic	h foi	med	ln the	mount	ins to the north
Peninsula	resu affe	ted, princted the	cipal. genera	ly, fro	n two	majo ther	low apid	ressu succes	re systems which sion. The first	· 	or cau all	sing exter of the da	wept 1 sive p	roperty as caus	gaus gaus	ge a	er val long a	20-mil	the early evening te front, Nearly pring out; of the
	push	ed northw	stwar	d into t	he i	land	area	near K	July 16, was ing Salmon by a ska. When this		nor (no	th. The p	eak gu 52 p.a	Visi	61111	y wat	redu	ced to	wing out of the port was 71 mph "zero" in many
	syst	em finally loped low	reach	ed the	Beth	el ar e Bri	ea and	began	to weaken a well		und	tions by tetermined	lowing	of dam	t the	pea o co	c of t	he sto: etween	m. Hail did an Mesa and Chandle
	some	Stalling	in the	easter	n Bao	# are	a this	secon	stal areas. After storm moved across	Tucson	•	6:40 р.			1		5	İ	Wind .
	Isla	nd and the	Kenat	Penins	ula 1	hich	conti	ued t	winds to Kodiak rough July 21.			ong winds ensive dam						ormac	ivity did
	to t	he storms ssigned to	separ:	tely, a	o the	pro ness	erty durin	damage	must necessarily general storm	ARKAWSAS El Dorado, Union	1	11:50 a.			1				Lightning
	peri	od from J	ly 16	to 21,	incl	isive			pe Newenham; gusts	County	Oza	man kille	by 1	lghtnin	whi	le wa	rking	02 BZ	automobile parked
	reac Peni	hing 45 m nsula gusi	h were	report	ed fl mph a	om K:	ing Sa nai an	mon.	On the Kenai	Hewport, Jackson	uno:	r a tree 1:50 p.	bout 4	miles.	oast l	of H	l Dora	do.	14-54-4 5-49°
	Home area	r. It app exceeded	ears o	wite pr	obabl	e th	at wine	is in	the open Inlat ations near the	County	Воу	killed by	lighte	ing wh	le p	layin	base :	ball a	Lightning, hail city Playground
ŀ		tal area. two lives	lost (father	and s	(m)	evi den	:lv ve	re the result of		10 s	iles sout	light.	hail d	ocur	red fi hail	rom Le	mport	to a point about railable. All
	stro of K	ng winds a enai in th	nd hea e cent	vy seas ral Coo	in t k Inl	he vi et a	cinit ea.	of K	algin Island, WSW	Union Valley - Cherry	∌ T-OE	es were d	waribe	nu 643 *	mail'	•			
	I oun	d entangle was not n	dina	gillne	t tra	ilin	g a ca	sized	boat: the son's	Hill area, Perry County	11	2:50 p.	5	1,000	1		8	8	Hail .
	Prop	erty damag equipment	es rep	orted v	ere c	onfi	ned to	fishin	ng boats and fish-		gt	te 8:00 p	•				, ,	.[•
	Sģ m loss	illion:] in catch	oss of prever	canned ted by	fish the s	and torm	fish has l	n pro	essing, plus the		in t	ne union y	alley	Communi	ty.	The	torm :	LOVED I	overed the ground from morth to
	Fish \$2 m	and Wildl illion dol	ife of lars.	ficials The st	to t	e in	the no	ighbo very	hood of \$12 to	Little Rock Airforce		1:30 p.							Funnel eloud
	dama	ge resulte	d to t	oats ar	d ges	r whi	.ch wer	e in l	ea, and severe active operation in ated by experienced	Base, Pulaski County	A fu	mel cloud	ROVed	eastre	rd ov	er to	• Lit	la Bo	r Alefanon Rose
i	fish	ing persor	nel as	, perha	р5,	he m	st da	aging	on record for the	. ,	4	sahri	V1/1		-44-21	~*06t		. 4081)	₩,

	•															JULY 19
	PATH	T _E	NO. PER		IMATED†					PATH	F		OF	ESTIM	ATED1	
	١١١١	\$ \frac{1}{2}			7	CHARACTER		ļ ·	ļ· <i>'</i>	7 2	PAS	-	1			CHARACTER
PLACE	2	78 E		8 7		OF STORM	PLACE	1		문필	ARD		e	7.		OF STORM
	DATE TIME LENGTH OF F	WIDTH OF PATH (YARDS)	KILLED	INJURED	CROPS			DATE	T IME	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	NJURED	PROPERTY	CROPS	
	6 F 3	_ ≥		Z E	0	<u> </u>		٥	<u> </u>	1 -	>	×	ž	_	0	L
ARKANSĀS (Cont'd		, -			.,		•	1	*	1					'	
Pulaski County	21 1:00 p. to 1:50 p.				5	Hail	CONNECTICUT		j	.						j
	Scattered hail wa	a reporte	d ove	the nor	there h	of the County	Sterling, Windham	2	A.M.					h		Electrical
	as the store sove	d from no	eth-a	rthmest	to souti	southeast. There	County	Li	ightning s	truck I	odge ha	11 du	ring	morni	g elec	trical storm
	Stones were small	, overegi	ng ope	ut 1/8 i	ich in	ook Airforce Base.										d extensive utility pole
Pulaski County	24 12:05 p.					Funnel cloud		al	so struck	and bu	rned ou	t.				
· *	A framel cloud wa			7.01-190												1
	west-northwest of					pated shortly after	Suffield, Hartford County	19	7:15 P.1	1		1		3		Electrical
	being eighted.															to the extent hours in near-
CALIFORNIA	-							p3	Thompson	ville a	s bolt	downe	d tr	e limi	onto	power line.
amp Angelus, O miles east	1 11:55 a.m.			3	0	Thunderstorm		ĺ	1							ĺ
O miles effet	to 2:00						Hartford and Litchfield Counties	22	Late P.1	n.			1	ь		Electrical
	A heavy thundersho	wer acco	mpenie	t hy hail	COURT	ed from 6 to 12			į		La co	J.,	-		mak .	-
	miles east of Camp	Angelus	. Run	off was r	apid, b	ut damage was		11	me and tra	veled	to stor	age b	arn 1	to caus	e a de	etal clothes- layed-action
	limited to a few t	TOREGU C.	ul were	a and ros				fi ex	re. Barn tensively	and co	ntents	of tw	o aut esti	omobi.	es, lu t \$20	mber and tools
alexico	24 Morning		-	2	0	Gale winds		Wi	hchester,	Litchi	ield Co	unty,	ligh	tning	killed	cow while arby farm bolt
•	Gale-like winds di	srupted	leotr	ical serv	ice in	portion of the		re	ported to	have i	plied s	evera	d co	s and	knocke	d dog 25 feet.
	residential area of that the roof of h	of Calexia	obile	mas demas	ed by a	ne man reported falling limb.		An	imals appa	rently	not in	jured	ser:	iously,		
ancaster area	30 6:00 p.m.	1		2	0	Thunderstorm -	DELAWARE	1	1		1					l
	to t		ŀ	[-	"	high winds	Kent & Sussex Counties	Щ.		<u></u>		0	0	°5		Heavy rains
	9:00 p.m.								phone cab	les, a	d in s	ome p	aces	washe	d out s	eds, shorted sections of
	A thundershower wi	th high 1	nds	in the Ar	telope	Valley area toppled	<u> </u>	roac	is and dam	aged b	ridges.	Some	fie	lds we	e bad	ly eroded.
	row on Ave. I. bet	ween 30t	h and	50th St.,	4, bri	down 51 poles in a nging poles, trees,	FLORIDA								'	
•	and wires down on	the stre	ets.	Traffic w	as snar	led for hours.	Key West	1	4:21 P.M.	-	-	0	0	-	- '	Waterspout.
COLORADO	1 1 1	1	1 1		1	1	Monroe County	Wa	terspout o	ame as	hore at	Garr	ison	Bight.	damag	ing several
Calhan, El Paso	5 2:30FM		0	0 3		Lightning		bu	ldings ar	nd some	dock f	acili	ties			
County	A six-unit motel versly damages by						Lee, Madison	1	5:00 P.M.	Short	Narrow	0	0	-	-	Tornado.
	explosion and fir						County	Se	veral hous	es and	farm b	hildi	nes (lama ged	along	short, narrow
Denver	6 10:80AM		0	0 8		Thunderstorm		pa	dh.							
	Wind and lightnin Gusts to 67MPH bl	g cansed ow down	eans :	damage in Lines si	Metrop	d trees. Lightning	Tampa	3	8:30 A.M.	. -	_	0	0	_	- '	4 Waterspouts.
	struck several tr	an former	1ea	ing area	s witho	rt power. Damage	Hillsborough Co.	1	1		1	1			!	
	by wind 50%, by 1	18Ecuing	3070.				Shadeville Wakulla County	,	Afternoor	_	_	١,,	0			74-54-4-
Denver, Jefferson & Adams Counties	7 2:25PM Wind in gusts mea	sured m	0 to 45	O 4		Wind	1	,	ALGERIOGE] -	_	1	0	-	-	Lightning.
	severe other area	s, caused	dama	se to pow	er line	s and buildings,	Indian Rocks Beach Pinellas County	4	Afternoon		_	0	3	۱_	_ '	Lightning.
	and widespread min	er constr	e fro	n set yqum n set yqum	City	and broken limbs.	Okeechobee		1:00 P.M.	i	Name	, , '	0	_		Tornado.
	severely damaged.	Į.	1			1	Okeechobee County	l		1	i i	1	l	l	-	1
Springfield Area,	11 Afternoon		0	0 5		Rail		Se	deral buil	dings	damaged	lalon	g sho	rt, na	rrow p	ath.
Baca County	down, trees, sign	s, garden	e and	crops in	the Sp	age to roofs, win- ringfield vicinity.	Key West Monroe County	4	7:05 A.M.	-	-	0	0	-	- '	Funnel cloud.
	In Springfield, p dollars, (includin					o be near # million m the 20th.)	adiros comity	2	funnel clo	uds se	en 15 m	les.	N.W.	of Key	West.	1
Bastern Colorado	12 Afternoon &	- 1	0	0 4	5	1	Miami, Dade County		1:32 P.M.		_	0	0	_	_ '	Waterspout.
PRESCRIT COTOLSCO.	Hail in scattered	stess qu	began	property	and or	ops. Near Hugo in	West Palm Beach	1	10:40 A.M				1	İ		
	Lincoln Co., base panes, damaged au	ball size tomobiles	d hai	tore ho	les in l	ops. Hear Hugo in rpofs, broke window ay, eorn, and sugar	Palm Beach County		[Ţ	_	0	0	[-	[- '	Funnel cloud.
	Deeds tedestad 20	derate to	5076	re damage	from h	all and high winds	,	01	oud seen 5	miles	south	of We	st Pa	Um Bea	ch Air	port.
	in small areas no inch diameter hai	ar sterli 1 was rec	orted	in a hea	reets in Ty stor	83 of Akron.	Key West, Monroe	9	10:22 A.V	ı -	- 1	0	0		J - 1	Funnel cloud.
Southwestern and Sout			0	0		Lightning	County	cı	cud seen l	b mile	north	east	of Ke	y West	, ,'	
Central Colorado	Numerous forest f	ires were	star	ed by li	ghtning	in the Pagosa	Key West, Monroe	10	7:00 P.M.	_	_	0	0	_	_	Funnel cloud.
	destroyed in Resa	Verde Pe	rk.	Several a	maller:	res of timber were	County	1	,	1	_	١	١	_	-	- waret oroug.
	in Archuleta Coun	ty On t	ne 15	h, four	Porest	fires were started t near Deckers.	Ft. Lauderdale Beach	10	9:45 A.M.	-	-	0	0	-	-	Waterspout.
Colorado Springs	18 18	an area c	1, 1	2 750	· ores	l I	Broward County	10	0.15 1	1			1	İ		D
	A Colo. Universit	studen	1 100	211190 by	ighta	Lightning ing while carrying	Boca Raton Palm Beach Co.	10	8:45 A.M.	-	-	0	0	-	-	Funnel cloud.
	standing about 10	rdon Fia	144. 3	wo other	men on	the surveying team, but not severely	Osteen, Volusia	12	4:00 P.M.	Show+	Namm	0	0	Ì _	ا ـ ا	Tornado.
	injured.						County	1	}	i			Ì	Ĺ		
Sastern Colorado	20 Afternoon	1.	0	0 8	4	Hail and Rain		ĺ	ud touched	1	u orief	ſ	ĺ	maDite	d area	ĺ
	tered areas. Spr	ingfield	had f	urther m	operty	and crops in scat-	Orlando, Orange	12	4:30 P.M.	-	-	0	0	-	-	Funnel cloud.
	grain and alfalfs	ı drope w	ere hi	t in the	Vicinit	of Rye. An area		ļ,_`	12445 7			,				W
	Two baseaus udyd (uiZ in ea	etorn	Promers (o arou	ad Rolly and Hartman	Mayport, Duval	12	12:45 P.W	· -	-	0	0	-	- '	Waterspout.
	Beary rain and he	9 dec 44	gar dez	orops, o	om, be	ts, and alfalfa.	Jacksonville Beach	12	12:45 P.M		_	0		İ		Not owner -
	had considerable	1088 00	1	1				12	16:47 F.M	· - 1	-	10	η.	ı -	ı - '	Waterspout.
	24 Afternoon		0	1 2		Lightning	Duval County	1	1	1						
	24 Afternoon A Boy Scout was Boulder Co. He	struck ne	0 or the	Continer	r in iur	de in western		12	Afterno	_		0		_	_	2 Funnal algorda
	24 Afternoon A Boy Soout was a Boulder Co. He a were knocked unco	struck ne suffered meclous,	0 or the turns but z	Continer and an ea of injure	r injur	ide in western y. Two leaders Breekenridge, in	Sarasota Sarasota County	12	Afternoon	-	-	0	0	-	-	2 Funnel clouds.
Boulder and Summit Counties	24 Afternom A Boy Scout was a Boulder Co. He s were knocked unce Sugnit Co., Eight	struck ne suffered meclous,	0 or the turns but z	Continer and an ea of injure	r injur	ide in western y. Two leaders Breekenridge, in	Sarasota	12	Afternoon		-	0	0	-	- - -	2 Funnel clouds.
	Afternoon A Boy Soout was a Boulder Co. He a work knowled muce Summit Co., light	struck ne suffered i mecleus, ming cau	o er the turns but n	Continer and an es of injure wer failt	injur d In ures and	ide in western y. Two leaders Breekenridge, in	Sarasota Sarasota County	13		-	-	1.	0	-	<u>-</u>	Lightning.

DIT V 1050

		PATH	ΞŢ	NO. OF PERSONS		AATED!					РАТН	E		OF SONS		ATED!	
. PLACE		H OF P	WIDTH OF PATH (YARDS)	T	È		CHARACTER OF STORM	PLACE			H OF P LES)	WIDTH OF PATH (YARDS)		۵	È		CHARACTER OF STORM
	DATE	LENGTH OF (MILES)	WIDTH (Y)	KILLED	PROPERTY	CROPS	STORM		DATE	TIME	LENGTH OF F	WIDTH (%)	KILLED	INJURED	PROPERTY	CROPS	STORM
FLORIDA (Cont'd. Jacksonville Duval County	13 9:30 A.M.	-	-	c o	-	-	Waterspout.	IDAHO Bannock and Caribou Counties	24	Afternoon			o	o		4	Hail
Miumi, Dade County	14 7:45 P.M.	en fron	1	O O	,. -	-	Waterspout.		600 seve	acres of warrant garder	rheat : Is sus	ere ru:	ined -	on or dama	e farm ge. L	while	ey, where nearly other farms and hail struck west
Ft. Lauderdale Broward County	14 6:19 r.M. Funnel cloud			0 0	- south	- west or	Tormado.	Canyon and Cwyhee Counties	25	Night			0	0	4	3	hay and potatoes.
Lake Worth Falm Beach County	in an uninhab	ited a	ea.	0 3	-	-	Lightning.		dama	y wrecked ge to farm	that :	ebuild: ings ar	ing w	111 b	e nece s tree	ssary.	Homedale area so Some minor led, branches r and telephone
Ft. Lauderdale Broward County	18 5:18 P.M	-	-	0 0	-	-	3 Waterspouts.	ILLINOIS: See en	line	9.		1					-
Tampa, Hillsborough	18 Evening	_	-	0 1	_	-	Lightning.	INDIANA Marion County	1	12:30 p.	-	-	0	1	14	0	Wind
Jacksonville Duval County	19 11:10 A.M	1 1	- ESE Imes	0 0	_	-	Funnel cloud.										ng gust of wind on County line.
Fort Walton Beach Okaloosa County	20 11:03 4.1	l i		0 0	oart.	-	Waterspout.	Bloomington County		l p.m. women an	- i five	- childre	o en in	7 jurec	0 by 11	0 ghtnin	Lightning g while at the
Orlando Orange County	21 Afternoon	-	-	0 2	-	-	Lightning.	Bartholomew County	bes	eh. 1:30 p.	_	-	0	٥	ų	2	Tornado
Cross City. Dixie County	22 2:21 r.M. Two waterspou	- Lg spa		0 0	1	- th of (Waterspout.		to		ome co	rn and	obac	bo pl	anta w	ere D	al buildings were attened. A tool ent.
Key West;Monroe	25 1:00 Р.М.	-		0 0	-	-	Funnel cloud.	Fort Wayne, Allen County	1	1:45 p.	-	-/	0	0	٥	0	Funnel clouds
Tampa, Hillsborough County	25 5:04 F.M.	-	-	0 0	-	-	Waterspout.		For	funnel c	Louds	aloft o					southwest of
Tampa, Hillsborough County	26 5:00 P.M. Lightning sta	-		0 0	3	-	Lightning.	Lynnville, Warrick County	Idgi abi	p.m. tning str dren were	king	a tree	dile	da:	other	while	Lightning she and her two a tree.
Pensacola Escambia County	27 10:00 A.M			0 0	-	-	Waterspout.	Brookville, Franklin County	n	5 p.	1	1760	٥	0	0	5	Hail
GEORGIA Near Gray, Jones	Waterspout se	n 5 mai	les sout	h of Na	ıval Aiı	ĺ	on. Tornado		Abor	damaged at 800 acr	s of	COLE MS	re to	telly	betwe destr	en Ray oyed b	mond and Whitcomb. y hail which some-
County	Small tornado	heavil	y damage	d.dair	barn	on one	farm about 2 miles	Allen County		3145 p.m.		-	0	0	٥	0	Tornado
		er fara	i buildir				trees uprooted.	AMOI		outhwester out causi			ty a	runni	T GTOR	toud	hed ground briefly
Prunswick, 30 miles SE	9 2:26 p.						Waterspout	Fayette, Fayette County	1 3∛	Night inch rai	n col	lapsed	laé	0X60	4 foot	3 sect	Heavy rain
Columbus, Muscogee County	10 2:00 p. A violent thu	ndersto	rm with	heavy 1	4 rain, h	il and	Thunderstorm, hail, wind and rain. high winds hit	8N Charles City,	Fay 8	ette Hig	h Sch 1	001 wi	th	xte	sive	build	ling damage.
	the downtown streets were were flooded	section littere	of Colu d with 1	mbus. .arge ti	Power : ree bra	ines v	ere torm down and Several streets maged by falling	Floyd County	Tor cor		ed Ea d far	st in	ski; ine:	ping y at	fast out S	ion-d 20,00	lamage to barn,
Vienna, Dooly County	branches. 10 5:22 p.	Short N	larrow	1	ļ.		Tornado	NE Pocahontas County	10	2:00 p	10	*3				4	Hail
	A brick wall	read, b blew ou	ut mostl t of the	y minor	dama	e to c	lowntown Vienna.	Greenville & Webb; Clay County		2:00 p 1 3/4 in	ch di	ameter				3	Hail
 	numerous buil uprooted and for several h	dings s utility curs.	uffered lines w	minor d	ismage.	Many dis	trees were upting service n his hand was	Hancock to Winneshiek County		2:30 p	1		Hai	1 to	1 ir		Hail
Cumming, 3 miles SE, Forsyth County	11 4:00 p.		500	6	4		Tornado	SE Webster County		p losses	12 esti	*3 mated	\$100	,000	·	5	Hail
Torogram country	Tornado struc was Bald Ridg amounts of da	e Marin	a where	dodka a	nod boar	s suf	r. Hardest hit Fered varying	Boone County E Jackson County	10	2:30 p 3:00 p						4	Hail Hail
Athens, Clark County	flying debris	Stor	m moved	north.	l ₄		Rain, wind and	Randolph, Fremont County	12	4:00 r						4	Hail
	Heavy rains,	high wi	nds and	a sever	elec	rical	electrical storm caused con- tions of Athens.	Primghar, O'Brien County		4:00 P	5	*4				4	Hail
	Blectrical se	Rains	isrupted damaged	for 25 streets	and r	s and	1200 telephones and a lightning	Hartley, O'Brien County	12	•	4	*4		İ		4	Mai1
Sharon, 10 miles SW Taliaferro County	20 1:25 p.	7.	"] "	7 -		l 1	Funnel aloft	Monona County 48 Ottumwa,		7:30 p r Soldie 11:00 a	2 r. A	880 1so, s	ma11	er 1	osses	4 in 1	Hail ocality. Lightning
See reference note	es at end of	table.						Wapello County Davenport, Scott	30	2:30 p				2	3		Lightning
. :							•	County Shenandoah, Fremont and Page	31	12:20 p				1	5	3	wind storm,
								Counties	Pro	perty 109 ut \$2000.	ses 00 I	due to	win each	d.	Rain	and h	hail ail caused
								' 1	-~4		- 1			. (,	'	4

JULY 1959

LINGALS For the control of the co	wind
PLACE	PORM es and wind ings west
Republic and Vashinger Security 12 68 3 3 2014 and elactrical East stone up to by inches to the stands of large and property damage. Lightning stricks at ancholes he thinks at few lates entitled as few lates entitled for as such as a motor in lates entitled as few lat	wind
across these counties resulting in light drop and property dange. Lightning struck as acclosed buy and a few miles northwest of Embyer. Barp and contents of Day and struck were burned. A large barn on a fars 2 miles meat and 1 mouth of Wilsoy was destryed by five after being struck by lightning. Eay and the barn were the largest part of the ideas. Bouglas and Leaven worth County Bourling Jigo-fax Vind and Riccitical struck by lightning. Eay and the barn were the largest part of the ideas. Vind and Riccitical power and temperature and the barn worth Counties String winds from the northwest broke more tree lithe and danged power and temperature that burned out trahsformers coinced utility combanies considerable to various localities. Crawford County 4 6:30 as During a heavy thundarstors lightning struck a large tree slicing the bark from one side of the tree. Lyou County 4 7:309-5pm 6 Crawford County 5 3:309- 25 *5 5 & Emil and Shectrical County the storm. For the storm moved south wonthouses. For the storm. The storm moved south wonthouses. For the storm. The storm moved south wonthouses. For the storm. The storm moved south wonthouses. For the storm of the storm of the storm, store were relicing to the storm. For the storm of th	ings west
Recrise County A sarry morning A large barm on a fars 2 miles east and 1 south of Milesy was destroyed by fire effer being struck by lightning Eny and the barm were the largest part of the late. Douglas and Lawren were the largest part of the late. Wind and Milectrical Strong winds from the northeant broke once tree limbs and damaged power and talkwhome lines prompled with newward with a warm of the mach as an hour in Strong winds from the northeant broke once tree limbs and damaged power and talkwhome lines prompled with newward with a warm of the mach as an hour in Warford County Lyon County 4 6:30 as During a heavy thunfarstory lightning struck a large tree slicing the hard from one side of the tree. Lyon County 4 7:300-5ps 6 500 Lyon County 4 7:300-5ps 6 500 Lyon County 5 7:300-5ps 6 500 Lyon County 5 7:300-5ps 6 500 Lyon County 5 7:300-5ps 6 500 Lyon County 6 7:300-5ps 6 500 Lyon County 6 7:300-5ps 6 500 Fail and Slectrical and price of cold falls and covered the ground and price of golf balls and covered the ground inches. For price includes the late were interested on the part has been up by the storm. The storm moved south. 6 1:100 Spm 1:100-5ps 1:1	4616
Douglas and Laeven- worth Counties Sing winds from the northeast broke some tree limbs and damaged power and telephone lines poupled with several lighting strikes that burned out transformers caused mility consints considerable trouble. Services were inherrupted for as such as an hour in Crawford County 4 6:30 as During a heavy thunderstoral lighting stricks a large tree elicing the bark from one side of the tree. Lyon County 4 7:300-cpm 6 500 Crops were variously damaged utility lines both sent and west of Emphris. A Fpurth by July Calegaration in Emporian was broken up by the storm. The storm moved south southeasts. Oralam and Rooks Counties Oralam and Rooks County Oralam and Rooks Counties Oralam and Rooks Counties Oralam and Rooks Counties Oralam and Rooks Counties Oralam and Rooks Oralam and Rooks Oralam and Rooks Counties Oralam and Rooks Or	
power and telephone lines coupled with several lightning strikes that burned out transformer caused utility companies considerable trouble. Saviaces were inherroybed for as much as an hour in various localities. Crawford County 4 6:30 as During a heavy thurderstorm lightning struck a large tree slicing the bark from one side of the tree. Lyon County 4 7:30p-dpm 6 500 Cross were variously demands by haif that was up to linch in diameter. Lightning damaged utility linas both east and west of Emperia. A Fourth of July Calebration in Emporta was broken up by the storm. The storm moved south defined as the storm. The storm moved south defined as the storm. The storm moved south defined broke visiting the storm. The storm moved south defined as the storm. The storm moved south defined broke visiting the storm. The storm moved south defined to visit and struck the area from Boggie to Plainville. The greathest damage was near Falce where stodes of early ballias feel. The hail efficient wind struck the area from the storm to be all lists feel. The hail efficient wind struck the struck t	ried a
Crawford County 4 6:30 am During a heavy thunderstore lightning struck a large tree elicing the bark from one side of the tree. Lyon County 4 7:30p-dpm 6 500 Grops were vertuually demanded by hail that was up to linch in disapters. Lightning damaged utility lines both least and west of Emporiae. A Purth of July Celebration in Emporta was broken up by the store. The storm moved south southeast. Oraham and Rocks 5 3:30p- 25 *5 5 4 Hail and wind. Counties	(2) and oud.
Lyon County 4 7:30p-dpm 6 500 Eath and Electrical Crops were variously damaged by half that was up to 1 inch in diabeter. Lightning damaged utility lines both east and west of Emportae. A Fourth of July Celebration in Emporta was broken up by the storm. The storm moved south southeasts. Oraham and Rocks Oraham and Rocks Counties Oraham and Rocks Severe half driven by methor the page of the feel of the grade of the grade of the feel of the page of the feel of the	d trees, ed roofs, il stones
Oraham and Rooks 5 3:30p- 25 *5 5 4 Hail and wind. 4:10p Severe hail driven by methor Begie to Plainville. The greatest damage was near Palco where stoines of soft ball die fell. The hail griven by the north winds broke windows, tore acress, damage siding and roofs. Stones were driven in a few cases through the siding and roofs. Auto wind shields were broken and care dented by the hail. Gardens were ruined and trees stripped of lelves and small infranches. Some hail was esft others were chunkly or clusters of lee Wide. Enterior and Phillips 5 2:20p- 30 Verious 3:30p Hail ranging in size up to that of hone aggs and ariven by wind caused such crop loss in an area about 7 miles nort was overturned by the wind. Hail and wind. 5 2:20p- 30 Verious 3:30p Hail warying considerable in size and intensity fell over local areas from northwest of Norton to central Phillips County. Crops and building were damaged heavily in some places. Hail ranged in size from anythes to golf balls. Windows, rores, automobiles were	he colder d. Two ng strikes ing two
stoles of soft ball dies fell. The half griven by the north winds broke windows, tore acreems, damage siding and roofs. Stones were driven in a few cases through the siding and roofs. Autor wind shields were broken and care dented by the hall. Gradens were ruined and trees stripped of lelves had small branches. Some hall was esoft others were chunkly or clusters of les Wide. Eorton and Phillips Caunties Enterin and Phillips Caunties Ealine County 12 5:200 Hall ranging in size up to that of hen eggs and driven by wind caused such crop loss in an area hour? This nort wind caused such crop loss in an area hour? This entry was filled and birds were observed trying to file or the backs of cattle to bleed. Eorton and Phillips Caunties Ealine County 12 5:200 Hall ranging in size up to that of hen eggs and driven by wind caused such crop loss; in an area hour? This entry was filled and birds were observed trying to rile or the county of their feathers missing. A trailer house or tiles nort was overturned by the wind. Hell remained in considerable to bleed. Eorton and Phillips Caunties Eorton and Phillips Caunties Eorton and Phillips Caunties Hail and wind. 13 1:00m The telephone, T.V. and sums wiring were damaged when lists from anythes to got falls. Windows, roofs, automobiles were	gs. Hail
Counties 2:20p- 30 various Hail and wind. Storp noved southeast. 1	wind a high of Salina with some of Salina e quantity
size from marples to golf balls, windows, roofs automobiles were	al
wind. The storm moved cast. Enil ravaged feed crops near Window in western Achieves were string. Rofs were danged and about half the lesves were string. Ellis County 5 4:20p- 15 *3 5 5 Hail and wind.	d from
Vinds of near 100 mles per hour with hail, some of which were as Large as hen eggs and a few as large as base balls hit Hays and surfoundings & sudden and vicious blow. Gardens, trees, roofs, siding, automobiles, windows, were damaged extensively. Trees were blown down causing breaks in utility services. Treets were blown down causing breaks in utility services. Treets were blown down causing breaks in utility services. Treets were blown down causing breaks in utility services. Treets were blown down causing breaks in utility services.	electrical f Goodland
Was weakened and bluen over. Whicome flags for a convention were litterally blown away. The storm moved southeast. Decatur County 13 8p-9p Eight head of cattle were willed by lightning 11 steen	cal
6:30pm Scattered crop damage from hail was reported over the eastern part of the county. High winds broke tree limbs. Winds were estimated at 60 mph in farned. The storm moved southwest. 6:30pm Covley County 13:10:30p Several homes and business houses in Udall reported minor	cal
Ford County 5 evening The west and south concrete block walls of a large ware house in the west part of Dodge City were block down by a severe wind. Ellis County 13 11:00p A mgn was injured slightly when lightning hit the T.V. as	- na1
Osage County 8 4pm A barn 3 miles south of Quenezo was destroyed by fire after being struck by lightning A quantity of bay was also lost with the barn Elk County 14 3:30a 4 Electric	to the
Wyandott and Johnson 8 4:30p Counties Lightning strikes in 4 separate localities disrupted service for as long as an hour. One building and number of chrince stones Wilson County Wilson County 14 6:05a	ming struc
accilants occurred as a result of por visibility in the heavy rain. Cowley County 8 7:30b Recard County 14 9:30a Recard County 14 9:30a Recard County 15 9:30a	
Lightning struck a transformer in Arkansas City and caused a service interruption of near a half hour for much of the town. Montgomery County 8 8:30pm Six hightning strikes in various parts of town put out street lights Lightning struck a bouse 4 miles nor hwest of Chanute dan viring and making 3 holes in the roof. Firemen found the tion smoldering. Lightning struck a bouse 4 miles nor hwest of Chanute dan viring and making 3 holes in the roof. Firemen found the tion smoldering. Lightning struck a bouse 4 miles nor hwest of Chanute dan viring and making 3 holes in the roof. Firemen found the tion smoldering. Lightning struck a bouse 4 miles nor hwest of Chanute dan viring and making 3 holes in the roof. Firemen found the tion smoldering. Lightning struck a bouse 4 miles nor hwest of Chanute dan viring and making 3 holes in the roof. Firemen found the tion smoldering.	tning.

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		PATH	Ē	NO. PER		TIMATE	_				PATH	Ē	NO. (ESTIM. DAM		
PLACE	DATE	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	rkorexi	CHARACTER OF STORM	PLACE	DATE	THAE	LENGTH OF (MILES)	WIDTH OF PAT	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
KANSAS (Con't)	a hole in th	e roof.	A pow	er 11	ne in t	ne sout	hern part of Parsons	KANSAS (Con't)	1	d along t	e hig	l	r New	ton.			
Montgomery County	14 afternoo One man was and some of	knocked	to the	flod	r when lets fr	lightni om the	Electrical ng blew out all fuses	Russell County	Eat!	5 pm damaged tning str	erop a	iong Bi	Creek	ktab ∵so	out 6	miles of R	Hail, tornade end lightning south of Russell. ussell, grenary
Montgomery County	14 afternoo	n pplianc	es Vere	dama	ged, the	floor	Electrical , walls and curtains se in Independence.		and for	contents	tere d	estroye	a by k	ire.	A sm	all to	rnado was observed a elevator was
Cowley County	14 night Lightning da	maged t	he sidi	ng of	a house	. tore	Electrical off a door, and rical appliances were	Pratt and Barber County	Hail	6:30p-7p damaged Barber co as able t	unties	One	an wa	l rens s in	over jured	southe	Hail on Pratt and north- ly by hail before
Cowley County	also damaged 14 night A barn near 1	near N	ow Sale	n. commi	nity) to	gether	Electrical with contents of tterly destroyed when	Rice County	23 A bo	night	nta ing			ra	ропве	in Lyo	Lightning ns damaged the
Butler County	set on fire	by Ki gh			er idem	, was t	Electrical	Rice County									Funnel cloud few miles , by the and the funnel
Butler County		th Angu		ts we	re dama,	ed whe	n lightning struck a	Brown County	30					2			Wind, rain and lightning
Marion County	night	les nor	theast	of Au	gusta wa	s dest	royed by lightning.		Hia:	ng vest watha. A	aumber and 1	of aut	mobil abs.	es, Nune	B few rous u	houses tility	in and around were damaged by lines were broken poor and a boy
Marion County	A home in Flo stove and sp	orence	one va	by 1 11 of	ightming the liv	dense		1	PAR PAR	injured w	non a :	potoris	ran	into	him.	Some	danage was done to af for a while by
Had Iou domisy	A large barn with contents was destroyed	northe of ha	ast of v, grai	Flore n, fa	ne was	set on	Electrical fire by lightning and ad riding equipment	Crawford County	nort	h and one	half:	sile ve	t of	Pitt	Bourg	to zes	Funnel cloud from 4 miles r Arms, 10 miles
Vichita County	16 12:30p- 12:40p A small torns	2 ado tou	440 ched gr	ound:	in an op	en fie	Tornado and funnel cloud ld. A second funnel	Johnson County		ty Sherif 2:19p=		ras obs	erved	by S	tate I	Lehway	troopers and the
Montgomery County	0f Heoti mov: 16 5:30p- 6:15p	ing eas	t at ab	out 2	mph.		Funnel Clouds (3)	KENTUCKY	A for	2:25p nnel clor slowly e main clo	d a sh astwar ud deci	ert dis d for a k and d	ance few m	NNE iles ared	of Ole befor	the wa	s observed travell- illed back inte
Lyon County	dence moving	toward n	the no	rthea	st.		Blectrical damaging the T.V.	Jefferson County	util	PM s up to 5 ity servi blew down	de, cas	st adrii	t at	Leas'	t one	tree 1:	Wind mbs, disrupted the Chic River,
Riley County	es below gro	the por	ch roof	and	burned	bole	in a gas line 18 inch-	Laurel County	1	5 PK			1			1	Electrical a thunderstorm.
Pottawatomie County	A funnel close 17 5:35p		ĺ				ttan, moving north, Funnel cloud as observed passing	Madison County	gard	limbs, a	d dam Jower 1	eged ut: Leds. To	Dacco	line: dan	s. Bir ige Wa	caus	Wind, Hail, Rain trees, tore away ise hail pelted d by the wind and
Trego County	18 2:30p	neast o	r Samet	1			Electrical		tota	re report 1, by win	ed in	the city	of R	1chm	by flo	ding mage	pasements, Most y hail 80% of
Stanton County	hear Ogallah	12				١.	Hail the area from 6 miles rain sorghums was re-	Jefferson County	The hit	6:15 PA fetality a nearby	and in	ury re	ulted	alo:	gas	ream	Electrical lightning, which of water to them.
Cheyenne County	20 2:10p-	son to	near B	Lg Bo	w. ¥1e	d of g	rain sorghums was re-	Fayette County	caus	ing the 1	njurie	s. Stor	also	hal	ted ut	Lexin llity	Wind, Hail gton to collapse services. Wind he county.
	Hail was stil	U 2 1n	рьев фе	ър пе	ct morni	ng lon	inch in diemeter. south sides of build- southwest wind.	Mercer County	27 A 1: buil	6 M ghtning t ding and	olt se its co	fire tents.	0 8	arge	resta	urant	Electrical destroying the
Riley County	21 3:18p- 3:23p Funnel cloud	observ	ed abou	; 6 m;	lles sou	theast	Funnel cloud of Marshall Field, uping* up and down	Campbell County	i tow	rata wa dmney and	rehous parts	of sev	llapse	. PL	ate gl	ess wi	Wind erstorm caused a ndows were shattered way. Awnings on
Morrie County	21 evening Three Angus o	at i	ts great	est d	levelope	ment w	Lightning	Mason County	28 A be	lings ver	torn	away.	a a bi	aze '	4 vhich	destro	Electrical yed a building and lost in the fire.
Harvey County	23 4:30p				:		High wind railer as it was	Lee County	30 High	PM winds ac	dompan	iled by	ail a	truc	k the	4 porthe	Wind, Hail astern tip of the atches were cut to
See reference note				·				Logan County	pie:	es. Damag PM	by h	11 70%	of to	tal,	by wi	.hd 30% 3	
									a f		ewisbu	rg. Con	sidera				eported to corn

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PLACE	DATE	LENGTH OF P (MILES)	WIDTH OF PATH (YAKDS)	KALLED	PROPERTY	CROPS	CHARACTER / OF STORM	PLACE	DATE	TIME	LENGTH OF P (MILES)	WIDTH OF PATH (YARDS)	KILLED	INURED	PROPERTY	CROPS	CHARACTER OF STORM
LOUISIANA St. Mary; Morgan City	7 2:30 pm				2		Lightning	MARYLAND (Cont'd. Central and southern Eastern Shore, Telbob, Careline, Borghester, Wilconico, and Worces	11, - 25			odel w	0	0	°5	G	Heavy rains
	Struck WB an	1 1	r, inju	red obs				ter Counties	cables	, and in d bridges	80000	places	washe	d od	sect	lons o	roads and
Calcasieu; Lake Charles Lincoln; Ruston	7 4:50 pm			i	3		Funnel cloud	Baltimore City and Baltimore County)• 3 •		l makker	0	0	4		Lightning
	Hailstones ra	1 1	p to go	11 P11	1				hones	in Baltin at the St	nore (tate E	ounty; mir Gro	a 50 unda	foot in T	camer: imoniu	tower	it a number of con the race hit and burned n was hit.
Orleans; Lake Borgne Jefferson; 10 S of Kenner	19 12;50 pm 20 10:14 am						Waterspout Funnel cloud	Prince Georges and Montgomery Counties	19 p	o No			0	0	Į.		Windstorms
Calcasieu; 8 SSW of Lake Charles	21 11:35 am						2 funnel clouds		consid	erable da	maga	as pole	e and	tre	S WOT	down	nds caused d cutting power rees fell on
MATHR York County	19 Evening Damage to sev	eral h	osss fr	o de ligh	tning-61	0 arted	Electrical, wind fires. At	Chesapeake Bay Bridge area, Anne Arundel &	19	p.m.	:		0		3		Waterspout
Lewiston-Auburn area	heavy equipme	ent ove	r the f	o o	5		cattering wood and Electrical, rain	Harford County		ent elect			0		°5		Lightning & heavy rains & strong wine
	Lightning set with less of strikes. Set collapsed by damaged. Cle	red the service seral re beavy sged s	ree dir e. Pow oed was rain te sworm o	ect hits er outs houts as king au mood l	iden te∃	anhone	cables in Auburn ted from lightning parking lot . Vehicle badly		1 DOM:	TO 1000 G	MUTA N	gs KIII	180a - I	BRSet	mnts 1	MTO I.	g winds caused barns were struck taly destroyed. coded. Erosion were damaged.
MARTIAND								Hear Cakington, Harford County	l l'	ter style		pronot e s	0	0	4		Windstorm
Washington, D. C.	1 about 0300 EST A man was str	ack an	i Hille	l by LL		in a p	Lightning		The te	ister the	m dip	ped dou	n *nd	com	letely	dezo.	en Aberdeen and were taken out. lished a 80 x 30 wick and frame
Bellevue, Talbot County	1 0100 EST			0 0	L		Lightning		tress revine	in woods and brok 15 to 19	jarše ce mb ou es easte	d snade ch side over th trees	and of t s bes were	he be d wat blow	tres iro yaz ers of over	d, cui	tore tops from a swath down a Thesapeaks Bay.
Baltimore County	1 0300 - 0400 EST			0 0			Lightning and windstorm	Baltimore area	20 1	ate fternoon			0	0	ħ		Thunderstorm, lightning, rain
	falling limbs	dest	rection ress fr	Prope	urtir was	hit b	ltimore County lightning and me overhead wires		1 Toods	re thunds d streets use was s	and	d Owned	LT608	and	overhe overhe	winds ad win	and heavy rains
Montgomery County	and damaged a	one ho	168 .	0 0			Lightning	Frederick area, Frederick County	' '	one ware	rille	a by li	0 ghtni	O .	l.		Lightning
	Hundreds of r	ealden g stru	r edryl	without ment of	power	for for	r to five hours Electric Power Co.	Ijamsville, Frederick County	1. 1	h15 EST ing damag	ed a l	DOME .	0	0	2		Lightning
Byattsville, Prince Georges County	1 a. n. Lightning str	nck a	grocery	o c		ed a fe	Lightning	Frederick area, Frederick County	[elle lenhones		- androd	0	0	3		Windstorm
Chevy Chase, Hontgon- ery County	1 OhOO EST			0 0	, L		Lightning	Cape St. Claire, near	ropp.le	d trees o	Mar A	res.		0.	ATCO	emen s	trong winds
Rysttstom-Clarksburg,	1 2030 -	ates a	\$30,00	0.			Windstorm	Ammapolis, Anne Arundel County Essaw, Beltimore	1	ning kill	ed a z	um sta	ding 0	unde 1	r a tr		Lightning
Nontgenery County	2100 EST A terrific to bern and twis	later (ype of	windste	om ripp	ed the	roof off a large	County		ing struc	k end	critic	_		eđa 1	ľ	lle playing near
South River area, Anne Arundel County	10 0657 EST	'		0 0	1		Funnel cloud and waterspout	Seat Pleasant, Prince Georges County	1 1	escaped s	rith =	dnor la	0 g 1n1	l uries	When	a 11st	Lightning at pole on which
	Figure south of furnel cloud 1000 feet. 1	Anna Anna extend po aper	peared of downs	In the rard fro fume	fully due a clo	formin evelop ni bas ei ver	about 6 to 8 d stage the of 800 to deally from the s about 20°.	Elkridge, Howard	he was	working	W48 8	treck t	0	htni:	8-		Lightming
	for about 15	minute 2500	and ti	e pase	of the	cloud :	s about 20°. The direction syer lifted to memon was replaced spout. The water- the horison.	Baltimore area	ground	s they ex	ala coodi	rge tre n their	e and yard	berud Bo	eed ar th was	d stu e knoc	ned a man and ked to the Lightning
Kent Island, Queen	li afternoon	l 1	arm beta	O C		Diase a	Heavy rain		Lightn it in	ing stru	k in rehou	various se, tel	plac evisi	es bi	tting	a flag	pole and snapping
	Heavy rainfal Shopping Cent Murchandise i was ruined.	came or to	d the r collapse rear of	ouf of due to the sto	the we	ight or the r	at the Kent Island the water. oof section fell	Hy Washington, D. C., Prince Georges County and Montgomery County	31 p	elle.			0		h		Strong winds, lightning, & rains
See reference no	tes at end o	f tab.	le.						of wa	while he	avy r htnin	ains le g bolts	ft ma hdt	ay et a 3⊷e	rests tory i	under rick s	overhead wires to three to four feet partment and a

'		PATH	Ę	NO. PERS		ESTIM DAM]				PATH	Ę	NO. PER	OF SONS	ESTIM. DAM		
PLACE	DATE	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME	LENGTH OF 1 (MILES)	WIDTH OF PATH (YARDS)	KILLED	MURED	PROPERTY	CROPS	CHARACTER OF STORM
MASS ACHUSETTS						4		771	MINNESOTA									
Sceton and vicinity	2 Early a. Series of 2 o occurred befo	re 7 a	Lea Wi	res d	with owned	brief , shir	torr	ipped from several	Elkton, Mower County		3:24 p. el reporte	d mov:	ng nor	h or	west			Funnel aloft.
NE Worcester Co. and	homes, roofs		d and a	evera 0	1 wax 1	erpas:		Electrical, rain,	Becker, Clay, Mar- shall, Polk, Red Lake	lı Crop	p.m. s damaged	by ha:	1. Do:	lar:	oss :	not av	ailebl	Hail
W Middlesex Co.	Storm downed	few tr	es, ma	ny 15	mbs.	Local	l floo	hail	Counties Kennedy 6NE, Kittson	7.	L:28 p.							Funnel sloft.
	service to ma	my hou	es disr ision d	upted ue to	fall	veral	homes wet	downed and struck by lightning rakes.	County	Farm	er reporte doing dama	d see: ge. I	ng fun unnel m	el to pved	nort	ground neast.	near	his home, with-
Sastern portions	11 A.M. Winds much su	bdued;	storm	0 losse	1 s (to	tal w	o der \$	Hurricane Cindy 5,000) due mostly pted at few spots al service wires.	Fergus Falls, Otter- tail County		4:53 p. al reporte	d nov	ng nor	hwes	. N	dama	ge rep	Furmel aloft.
	on the Cape I	nen tr ts min	ee limi	s wer Six f	e iel amili	led or	to lo	al service wires. from beach igh storm tides.	Deer Creek, Ottertail	7		**200			,	4	lş	Tornado, hail and rain.
								Heavy rains ed areas. Under- ic halted at	•	of t	uilding, o	om con lamagii a dist	g 5 bu	100 x 100 x	Sect eet	ion of and dr	le in ppped	causing collap ch brick chimney through school
	tames by poor	visib	some o	un nea	vy ra	ın,				fron	e roof res rain. To ged crops	ornado ornado	moved o	ensi	re dan south	mage t	Accom	rior of school panying hail
Lynn to Beverly	15 Late afternoon Torrential de	npour	quicki	y flo	0 oded	4 under	0 888888	Rain low roads and	Bertha (near), Todd County	7 Rair	7-9 p. up to 5	12 inches	*h,	a12 ·	denne gr	ed oat		Hail, heavy rai
:	many cellars 4 feet of war	in are	a. Mar	maro	oned	atop i	uto i	underpass in	Correll 3NE, Big Stone County	7	10 p. destroyed			ļ	i	h		Tornado
Entire state except southeast portion	19 Afternoon and evening			0	15	5	:0	Electrical, rain, wind	Clinton-Graceville Area, Big Stone	7	10 р.		•	į				Wind, electrica
	Storm swept of	astwar path	d acros	s sta ted w	te, i 1th 1	ittin ightn	coas ng-st	tal areas in rted fires,	County	outt	uildings a	nd she	de. Tr	ees :	enor	ted tw	sted	and stripped.
	Unusually his damage. Scot	es of	er of f	ires ighea	accou y acc	nted :	or ma resu	and cellars, or portion of ted from storm,	Dalton 35W, Otter- tail County	7 Barr	11:15 p. s destroye	d and	house	атав	a.	ops o	tree	Wind broken off.
	Flash floods	injure	d fight	ing b	laze stal	in Br ling	ighton are a	section of Boston, d adding to the es onto several	Richville, Ottertail County	ALU	11:30 p.	1 not	100 seen o	serv	r re	3 ported	wind	Tornado ounded like
Morcester, Hampshire,	homes. 20 Evening			1	17	4	3	Electrical, rain		frei Piec hous	ght train. s of glass s. Stack	Bar 6 x of bal	destr 6", dr: led hay	yed a ven wide	nd a dgew y sc	ll oth se in attere	er bui to met d by w	dings damaged. al covered brook ind. Storm move
and Middlesex Counties	Violent thunc	erstor	ns with	loca	11y	orren	101 20	ing own week as	Glenwood (near), Pope County	7 Foll	heast. 11:30 p. Dwing a wi	1.8 ndv. 1	30 ot hum	d day	Win	h de int	maifi	Tornado d about 11:00 p
	Ft. Devens, h	r kill lass. in th	ed and Storm w	17 ot 25 ne	hers arly	injure a repe	d by	ightning at the one of the		with Stor	a roaring a moved no	s conne rtheas	. Airy	ort l	anga	lift	d fro	foundation.
	failures and	many]	lightnin	g-eta	rted	fires	kept :	iremen, linesmen r second day.	Henning LSW, Ottertail County		11:30 p. wrecked b	y wind	Tree	s do	med.	h		Wind
MICHIGAN									Perham-Dent area, Ottertail County	Four	11:30 p. barns dan	aped s	*1 to 3	e des	troy	5 din	rea.	Wind Many sheds and
Lower Michigan	18 Afternoon Severe thund rains fell o	orstor:	ns occun	red	hrin	*4 the	C	Thunderstorms		Many	trees upr phone line	ooted.	Winds	esti	mate	iructed in ed	Lake cess	cottage demolis
	rains fell or resulting. D	er the mage : the ea	rom los term se	n sec al hi otion	tion ghw m.	with inds a	local nd lig	flooding htning strikes	Brainerd area, Cass County	Cabi	p.m. as and bos	ts dan	aged, p	ower.	and 1	li shone I	ines	Wind, rain. ut. Ranger
-	22 Iste				7	3		Thunderstorm	Onamia, Mille Lacs	esti	nated seve	ral th	ousand 300	board	feet	of t	imber (lowned. Tornado
	7 workers in a Lightning str a building wh	cheri ook and ore the	y orchi	ev bro es bes	re i eler shelk	jured trica	by li l wire	ghtning. leading into	County	pepp	ered with	maged bull et	sized oted or	holes	Report	of and	l wall:	ows blown in or of creamery ed. Minor
	23 About 6:00p,m,					4		Thunderstorus		dama soun	e to seve	ral ho reight	train	gere or je	ges. t ali	Resid	ents :	eported storm or and phone line
		h build	lings w	re de	etroj	ed by	high	nage. A house winds near ned near	Marshall, Ottertail, Polk, Red Lake, Todd,	7-8 Crop:	р.ш.	by hai	l accom	panie	d by	strons	6 wind:	Hail, wind.
New Buffalo	25 6:00p.m. Woman struck	by 15	entaine.		1			Thurderstorm	Minnespolis-St. Paul, Hennepin-Remsey	8	â.m.		Rac		~	- 100		Heavy rain, electrical.
Southern Half of Lower Michigan	29 <u>-</u> 30					•4	C	Thunderstorms	Counties	of a	portion of	C comm	ercial	garag	e trod	f bal:	d base eved (ments. Collapse he to weight of amage from
-	Intermittent caused scatter and high winds	ed are	estorms	throu anago	ghout	the ligh	two da taing,	y period heavy rains	Brownsdale (near),	ligh:	ning stri 4:00 p.	COS.			• 50			_
See reference not		<u></u> -	le.		- 1	,			Mower County	Piel		aged saged	#2 in sres aged an	exte d wir	nding dows	from	Maysvi	Hail lle to Brownsdai ownsdale.
									Fillmore, Houston Counties	10	4:00 p.		aral wi	207			5	<u>Hail</u> n the two count

JULY 1959

<u> </u>											,			-		-			JULY 1959
			РАТН	Ē	NO. PER	OF SONS	ESTIM. DAM	ATED†					РАТН	Ŧ	NO. PER	OF SONS	ESTIM. DAM		
PLACE	DATE	TIME	LENGTH OF (AILLES)	WIDTH OF PATH (YARDS)	KNLED	CERUTAL	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
MINNESOTA (Cont'd.										MISSOURI (Cont'd St. James, Phelps	27	3:10 p.							Funnel Aloft
Foxhome area, Otter- tail, Wilkin Counties	10 Marb	6:00 p. Le sized h	20 ail, m	# 2	e st	nes	three	Inches	Hail in circumference, arms reported	County		_							
		per cent 1								Kirksville, Adair County	30- 31	12:30 p. 30th 1:15 a.,					4		Thunderstorm
Swift County	Ston		ng one						Hail in dismeter hit son. Storm moved		Many	31st	m, fla	ish floo s down,	ding	on s	everal	small	streams. Many
Wadens-New York Mills	20		15	* 1		×		4	Hail	Grandview (10W), Jackson County	31	2:22- 2:32 p.	ļ						Funnel Aloft
area, Ottertail, Wadena Counties	Stor	n did spot								Kansas City, Jackson	31	3:00-					4		Thunderstorm
Lyon, Murray, Nobles, Rock, Yellow Medicine	22 Crop	p.m. losses o	curre	in sc	tter	ed are	as in	count	Hail les listed with	County	Wind	4:00 p. s hit gus Lightn	s to	2 MPH	Man	pow	er and	phone	lines down. Trees
Counties MISSISSIPPI	some	farmers 1	eport	ng 50 1	to 100	per	cent	1088.		MONTANA	J W.J.	a mignar	ang wa	agou s			•		
Leflore County; Itta Bena	1	2:30 pm					3		Tornado -	St. Phillip Wibaux County	7				1				Thunderstorm
		· .	ional :	school	causi	ng da	-	o barr	s and outbuildings.		A ff	fteen-yea					a lig	htning	
Mississippi Sound, 30 SE Biloxi	6	9:59 pm.	-						Waterspout	Westby (12 miles	str:	ke while	orkin	g on a':	anch			i	
Attala County;		7-27 pm							-	westby (12 miles west) Sheridan County	13	бр . ш.	6	* 1/2				3	
McCool Hinds County:	8				1		2		Lightning		1	hail up	to one	inch d	emet	er.			
8 S Jackson	22	1:59 pm							Funnel cloud	Cut Bank (12 miles - west)		,							
Washington County; 3 S Greenville	24	2:13 pm			ľ				Funnel cloud	Glacier County	20	3 p.m.	4	*1				3	
MISSOURI Duval (65E), Barton	5	5:00 p.	ı	* ≱1			4	5	Thunderstorm	Chester (north and	Hal	stones up	to on	e incn	alame	er.	٠.		
County	Hai	I from her	egg	eize to	jegg	d pi	sces 3	inche	s square caused	south) Liberty County	27	3 p.m.	15	* 3/L				5	
	l Cen	Dage to you	ofs and	d windo	WS. A	ad in	fin red	hattle	beans. Also caused and sheep. 3.00 relatively small	YMHASTA	Hail	stones up	to 3/	inch.					
St. Louis	10 10	a.					4		Dust Devil	South portion Frontier Co.	3 Ston	afternous		ted anoter	0	0	0	4	Hail
	CTC	ALCLESS SIC	106 arv	ound no	dn a'	ti en ri	me du	at day	Louis: Winder	South-central Hebraska	,	6-9 p.z.	150	*70	0	0	6	,	Heall and wind-
·	min	downtown	area o	of St	d was	Th	e dust	devil	lasted some 3-5	:	Spot	ted damage	occu	red ove	. are	2 62	endin	from	storm
	tru	ck severa	gun t	e wind	move dlled	d a p	arked	one an	200 feet. As a done-half ton It lifted a	1	7111	tier and I more Count is area s	100 12	the e	at.	Heav	ost d	mage :	n Holdrege
	sald	e onto th	car t	paller : ing lot	into i	the a	r the	d drop	ped it upon its		3 1n	ches in di	anetes	in the	Hold	rogo	Local	ST-02	
i	the	windows	na e	ard no	nence	and	as a f	inal e	fort blew out all	Southwest of Adams	3 Stor	10 p.m. n noved e		Hertow	0	0	1	°	Tornado
	the	same gen	ral a	counti	ng of	move:	ent a	nd dev	witnesses who gave	West of Johnson		night barn an		Spot ne shed		0 ed w	th co		Mghtning
Jerico Springs, Cedar County	1	Evening	- Let		1				Thunderstorm	Hear Burwell	5	early and			0	0	3	0	Lightning
Vernon-Cedar Counties	16	rear old 1	, A.	med by	rrgm	nang,			Funnels Aloft	Burwell to north of	5	4-7 a.s.	145	*5-15	0	0	3		Hail
- e-	Piv	2:00 p. e funnels ekton.	aloft	near Ne	vada,	Kila	, Eld	rado	Springs and	Wolbach 12 ml. W. of	Bton 5	5:30-6e.		88 to 8	olf 1	ells O	1ight	1	ed southeast.
Blodgett, Scott County	١.	3:00 p.					minor		Tornado	Fullerton to near Clarks	Stor dim	n moved of oter. Gr	st_so	theast	. 8t	nes	balé i	ch to	an inch in
	Fun	nel touche	d grou	nd brie	ny :	1	ł		and then returned	Hertheastern Seward	stor 5	8:15a.	8	*8	,			5	Hail
Columbia (10 SSE),		parent c	pud".							County	Ston	origin. or of sto	Die	eter.	round	COV	ered t	o inc	hes deep at
Springfield, Greene	17 17	5:50 p.	l I	1	f L	 1.			Funnel Aloft Thunderstorm	2 mi. South of Plattemouth	5	noois		Spot	ó		4	0	Lightning
County	Six	8:00 p. deer in Z		ed by	light		Poli	ee off	cer injured when	,	Home	struck a	d bur	ed to	round	•	,		
Kingsville, Johnson County	17	7:40 p.	mg.						Funnel Aloft	Arapaho Stemford and southeast into Kansas	5 Stor hall	2 p.m. n moved so in south	25 uthea centr:	a2 a. Starna	0 20.06 : 18 . Con	2" nty,	i diamet with	5 er. A eome d	Hail so scattered mage.
Mecaho, Newton County	20	4:05 p.					4		Thunderstorm						•	-	•	•	•
	Ligh	tning hit	a hou	e, whi	գերո	med	to the	groun				•							
Marshall, Saline County	23	4:30 p.							Funnel Aloft										
Froma-Appleton, Cape Girardeau-Perry Counties	26	2:30- 3:00 p.	5	500		2	4	4	Thunderstom										
	Trai	ler upset	near	rohna.	Two to	occu	panta rielda	njure	d. Many trees										

mm w 1050

			РАТН	Ę		. OF	ESTIM DAM	ATED†					PATH	Ę		OF		ATED†	
PLACE	DATE	TIME	LENGTH OF P	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS .	CHARACTER OF STORM	PLACE	DATE	TIME	LENGTH OF P (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
NEBRASKA (Cont'd	5	11-11:30p		35 diamete	0	0	3	3	Hail	, NEBRASKA (Contid	20 Stor	4:30-6p.	7	*li one inc	o in	0 diam	o t er.	5 Ground	Hail covered
orthoast of Gramford to Gramford	6	2-3 p.m.	7	unk.	0	0	light	ĵŧ	Hed 1	2 mi. west of Bonkelman southeast t	20	5:30-7p.	7#	*23	0	0 di son	0	5 into	Heil Kenges.
North of Crawford to Chadron	7 Store	afternoon n moved ea		*3	0 .	0	0 (Torns	Ĭ.,	Hail	Kansas border	Stor	inches in	inche	B 12 d1	amet e	. (round	COVET	d to depth
North Flatte-Gothen- burg area	7 Form	4:30 to 8:40 p.m.	35 nenbur	10 z: 567 6	o re ha	O dlar	5	6 (Hall)	Heil and Tornado	3 mi. southwest of Bartlett	30 Fen	2 a.m. cattle kil		Spot	0	0	3	٥	Lightning
Southeast of Minsworth	near 7	Gothenbur	g. A few	sq.m1.	0	0	3		Wind squall	Near Enerson	30 Beri	5:30 a.m. struck, p		mrned.	0	0	3	0	Lightning
limi. west of Sargent		night struck and		Spot Ly inju		0 nile	0 fishin		Mghtning iver.	7 mi. northwest of Stanton	31	1			O over	eres	t Stor		Heil d south.
Near Burwell	7 17 c:	night ttle kill	2 spo	ts	0	0	3	0	Lightning	West of Dodge to Lincoln	31 Tree	9 s.m. to noon s, wires,			O de de	O meged		5 (Hail	Eail and wind
Near Naponee	9 Barn	9:15 p.m. struck an	Spot 1 burn	Spot Bd, adj	0 acent	o gran	3 ary al	80 pm 0	Lightning ned.	Ord and Vicanity	31	9:15 a.m.		[0	0	3	١.	Vind equall
h mi. west of South Sioux City	Çorn	2-3 p.m. stripped.	3 soy b	*2 Bans de	o	0 61. S	0 tones		Hall	2 mi. east of Springfield 2 west of Salem	B1	Hoon		eq.m1.		0	0		Heil
South of Crete	12	3:15 p.m.	10	*1	0	0	0		Hall	NEVADA	Bar	lp.m.	nts p		0	0	* .	0	Lightning
	diame		and co					in ce	nter of storm.	Las Vegas Area, Clark County	Str	Evening ong winds	opple	d telepi	hone	and I	4 ower r	oles,	Wind blew off several
	Store	noved so	ith.					inch e	nd a half in	WORL HANDOWTHY	roo	fs, and car	sed e	ktensiv	e dam	age t	o boat	s on I	ake Mead.
		se spotted Afternoon	OVET	area.	0	0	0		Heil	NEW HAMPSHIRE Southeast portion	l	Af ternoon			0	0	4	l	Electrical, rai
	1	Mid_after			0	0	0		Esil										flooding, Five
	12 Stone	noon afternoon a sise of	mi. 10	unknos	1 O	O VAA	O SR.	5	Hail	Southern portion	Sto	Afternoon or swept ex as in late	e twar af ter	d acros	0 s sou Its p	thernath v	. 4 part	of sta	Electrical, rais te hitting coast th lightning-
	12	mid-after noon				0	3		Hail, excessive		and	cellars.	Umusu	ally hi	gh m	mber	of fir	es acc	d flooded roads counted for major ut violent squa
	12 Store	4_6 p.m. moved so		* 1½ Largest	0 ston	0 es st	0 80 of		Hail alls.	NEW JERSEY Southeast Coast	10		•				2		Harricane "Cindy
Northern Clay Co.	12	56 p.m.	13	1 to 2	0_	0	0	4	Hail	,									ng the southeast orted, during th
10 mi. East of Dalton to west of Sunol		6:30 p.m. began moved SS	1	*3	0	0	0	5	Hail	Essex, Union,	pas	eage of "C	ndy"	along t	he Ne	Jei 2	sey oc	ast.	Electrical, rain
IM of Scribner	13 Stone	2130 p.m. s size of	3 eq. marbl	mi. es. One	0 fare	o er re	light ports		Rail & excessive rain.	Somerset, Middlesex and Monmouth Counties	A c	enstruction	dgewa	ter Town	nship	. Son	erset	uck by County	lightning while
Fest of Cedar Bluffs	13			_	at 30 0	mimu O	tes.	5	Hail		Cou	aty. Beavy	rain	floode	d hig	hwey	end a	treets	ning bounced fro ge, Middlesex ; lightning hit
	Store	5:45 p.m. moved so late		Stones	up to	Else O			1		602	mnities i	Esse	x and M	onmou	th o	unties	. A 4	ervice in severa chool building, uck by lightning
_	- 1	afternoon	· -	•		-	3 mage f		Lightning companying rain.	Essex, Union and Middlesex Counties	23 A d	Afternoon ook worker	was k	illed a	1 nd hi	. 1 s oor	3 penior	ļ	Electrical, rain
20 miles north of Harrison to 10 mi. South of Harrison			30 Storm	Variab moved	le O south		3	5	Heil	1571 NOVE 00	str bui	ock by light dings were	tning hit	at Say by light	revil tning	le, i ; sti	iddles ests s	ex Cou nd hig	ed when they wer nty. Several hways were flood
		unknown moved sor		*5 theast	0 8t		3 ~2 1m		Hail n dismeter.	NEW MEXICO Roswell, Chaves County	5	7:20 p.		,			3		Wind
Sushnell .	Stone	s 2-3 inch	ies in	* 1 diamet	er.	round			Hadl inches deep	Dexter, southern Chaves County	Two 5	Evening	veg (TOWN OVE	~र झा	L Dat	3 Ly dan	rReg•	Wind
		nter of st unknown	emall		0		3	0	findstorm, probably	1	Limb deno	broken fr	om tr	ees, si	ens b	lown	down,	traile	r house
South of Lexington	16	afternoon	2 90.	i.	0	,	.	4	tornado.	Southern Chaves County near Hagerman	8	P.M.				2			Lightming
0 mi. west of Sidney	20	2:50 p.m. ted by PIR	Short		'	- 1	1	0	Funnel cloud	Portales, 6 miles	Two:	men working 5:00 p.	on b	ırn str	zck b	y lie	htning 3	•	Tornado
See reference not	-			e.							Smal		estro	red seve	ral	mild		n fam	
										Progresso, Torrance County	11	4:45 р.		ntry, fe]		5		Tornado

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			PATH] ₌		OF SONS	ESTIM/ DAM					[РАТН	r	NO. PER:		ESTIMA DAM		
PLACE			LOF PA	P PATH ROS)	PER			AGE	CHARACTER OF	PLACE			OF PA	JE PATI	PEK			AGE	CHARACTER OF
	DATE	TIME	LENGTH OF I	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	STORM		DATE	TIME	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	STORM
NEW MEXICO (Cont Southern Chaves	(d.) 11	8:00 p.						3	Hail	NEW YORK (Cont'd		la m	I		١.	ایا			L
Gounty			h e3 me	of and	f hal	n. 1	hout 2		tes of cotton	New York City area	1	Afternoon		7.4 4.4 1	4	4			Ihunderstorm
		royed.	3120	1 01 601	ره ا			00 00	01 000001		oth	ers injur	d.	Tigata	ing s	ruck	wree :	ana ka	lled 4 under tree
Western Eddy County	n	P.M.		!			2		Tornado	Southeastern Counties, New York City area and		Late aft- ernoon &					%	c :	Heavy rain
	Over	open coun	try, o	nly dan	nage v	as of	l deri	ick b	own over.	scattered areas across		evening							
Alamogordo, Otero County	12	8:30 p.		Į			3		Wind		torre	ntial thu	derst	rm down	Coun	in ies.	range Up t	Dute 58 1	hess, Ulster and nches of rain in
	Wall unro	of buildi	ng uno	er cons	truci	tion t	lown	iown, :	mall store		he) area	dddletown was damag	area :	n 3 or to floo	4 hor	rs. Ma	About ny car	3/4 o s inun	nches of rain in f real estate in sated. Middletow ifty percent of
Southern Torrance	13	7:30 p.						կ	Hail Hail		Dutch	mess County	oat o	rop ru	ned.	Pour	er fail	lures	throughout the a
County	Hail	stones 1"	in di	ameter.	Whea	t and	bean	crop o	estroyed over an	:	und u	musually a	evere n tho	damage e suff	to red	ads n 19	and hi	shways hurr	Damages were cane "Diane". A
Tucumcari, Quay	area 14	of about	TS SQ	are mi	es.		3		Tornado			across th			erst	TEB 1	mere r	porte	d in scattered
County, 11 miles East	Smal		ot mici	r food 1	1ht 4:	L.,		ral b	ildings.	Troy, Schenectady area	21	Late aft- srnoon			1		4		Heavy rain
Albuquerque	18	3:45 p.		1000		 	3		Wind.		Seve	e local t	under	town u	th h	-	roin.	One k	illed in car
									ew down wall		2001	ent due t	heav	rainf	ü.	arge	roof		in at Troy due t
	Air	ort.	ombre	uea var.	gung.	uu	sts to	nto unión	recorded at	LaGrangeville area,		Late aft-	Ì				05	С	Thunderstorm,
Clayton,Union County,	20	4:00 p.				1			Lightning	Dutchess County		ernoon	:				· ·	ľ	wind, hail
	Man	working in	field	was st	truck	by 1.	ghtnia	Æ		·	Jp to	4 inches	of rai	n and l	ail :	n an	hour cation	during lines	severe thunder- downed, trees
Floyd area, Roosevelt County	28	Р.И.						3	Hail		upro	dted, heav	y dama	ge to f	tuit.	ргора	, grai	ns and	vegetables, es up to \$60,000
•	Heav	crop dan	age 1	12 sq	uare i	ile	rea.			Syracuse area,		8 p.m.			1.		4		Thunderstorm as
Berino, southern Dona Ana County	29	10:00 p.					3		Tornado	Onondaga County	į								wind
		i tornado Li communit		oyed ser	veral	shed	s and	wo ba	ns in a small		Hame,	ge to tree	s and	power 1	ines:	50 k	by wir	es kno	did severe cked out leaving
MEN YORK										NORTH CAROLINA	Lhou	ands of h	omes w	thout	power	man	y traf	Tic ac	cidents.
Mestern New York	1	Late aft- ernoon &			2	m-	5		Thunderstorms,	Columbus and Moore	1	Afternoon					4	5	Hail, Wind
		prening							heavy rain, wind and hail	Countil es	Hai	damage to	tobac	co cro	ove	con	sidera	le ar	ea; wind damage
	Pore	il line to	pe th	ere near	I Lak	swept	thron	ch wes	tern counties and ic. Heavy rain of hail. Two	Hoke County	1	oofs and d	ucou.	cruga.			,		Electrical
										none county	1	valuable	cattle	HILA	h-	la obt	3		PIECLICAL
	by 1	lghtning	rous :	fires.	. Mu	ber	of bar	10 84	houses destroyed	Burke County	1	Afternoon]		4		Wind, rain
Mams, Jefferson County	1	10:30 p.n	. 40	100-200	q		4		Small tornado		1	1	oofs a	nd out	wild	ngs;	'	verfl	owed storm sewer
	Funn bui 1	al not obs	erved	Explo	osive	effe	ot on	uildi	ngs, taking some flying by.	Onelow and Pender	8				ĺ				Waterspouts
	Heav	rain and	brig	bt light	tning	Hov	re TOO	"Jets	flying by.	Counties		Remarks							
Suffalo and Miagara Frontier area and	6	Afternoon		1	2	sev- eral		C	Thunderstorms,	1	Wat Bear	erspout se n mid-aft	n at	ne≗ds Noda	erry mage	mid⊸	normin	s, and	at New Topsail
mearby western counties	Seve	re thunder	storm	s accom	panie	i he i	trong	gustv	relate un to 65 mil	Southern Coast, and		See			1				Hurricane "Cind
									mother due to high e due to hail.	Central North Carolina	l	Remarks	Sem#	Canal					attna couthous
lochester area, lonroe County		Aftermoon					04	C	Thunderstorn,	1	coa	st of North	Caro	ina on	ly li	th C	then rolin	turne	ting southern a northward and and 10th. Only
om on some	Wem2	n and D.		L	ļ	l	. '		wind and hail		ver:		ral e	fects:	in St	te,	best co	ander	able associated
	and	high winds	. Soc	se crob	gemet Seve	gre ti	under	torm	ith hailstones	Pasquotank County	10	1 -	Unk	Unk	0	0	4		Torrado
ew York City area	10	ate p.m.				mı-	5		Heavy rain		Hom	and chur	n des	royed :	in sm	ll m	orning	storm	
	Heav	y rains fr	om hou	ricane	Ciné		20	mila	np on Tappan Zee	Dare County	10		Unk	Unk	0	0	4		Tornadoes
	00 4	ater come		arrenea.	- Durie	100;	ը որ	gred 1	two car collision		0==	2:05 pm	į	*				Ĺ.,,	hud 148 a + Wa-
		en; 2 inju				due	to po	dri	injured in Man- ing conditions		Hea mil	d at 1:40 es north o	p.m.; :	nother	brok	dow	tree	s and	building at Nag power lines a fe
		Late afternoon				5	5		Thunderstorms with gusty winds:tormado	1	1-44	ا المعد م	- works	1u a	7 ~:0	1 12.00		- COURT	7
Southern Adirondacks, including Warren,			1	L.,			y ytod	b. C-	neldership wind										
Southern Adirondacks, including Warren, Washington and Seratog Counties	Bever	e thunder	storme	INDICTION	TODO					İ									
Southern Mirondacks, including Warren, Machington and Saratog Jountles	Bever Isma Pree:	blown on	top o	t cars	in an	1 50 10z 5	peopl	bestor	ver lines downed.										
Southern Adirondacks, including Warren, Machington and Saratog Jounties	Bever Isma Pree: Lree:	blown on t Sac do vortex	top o andaga picke	ds to cars Reserv	40 an injer oir b 16 fo	d 50 ing 5 each ot mo	peopl pear N	ome po e; tor orth I at and	s torn out of fruit roadalbin small carried it 100										
Southern Adirondacks, including Warren, Machington and Saratog Counties	Bever lama Pree: Lorn: Coet	blown on the stace to vortex also dam	top o andaga picke	ds to cars Reserv	40 an injer oir b 16 fo	d 50 ing 5 each ot mo	mph; s peopl pear N tor bo hort p	ome po e; tor orth I at and	s torn out of fruit roadalbin small carried it 100 at to east.										
Southern Adirondacks, including Warren, Mashington and Saratog Counties	Bever lama Pree: Lorn: Coet	blown on the stace to vortex also dam	top o andaga picke	ds to cars Reserv	40 an injer oir b 16 fo	d 50 ing 5 each ot mo	peopl pear N	ome po e; tor orth I at and	s torn out of fruit roadalbin small carried it 100										

JULY 1959

																				JULY 1959
[_		PATH	E	NO. PER	OF SONS	ESTIM. DAM						PATH	E		OF SONS		ATED!	
	PLACE	DATE	TIME	LENGTH OF P. (MILES)	WIDTH OF PATH (YARDS)	KillED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME	LENGTH OF P (MILES)	WIDTH OF PATH (YARDS)	ומורפס	NJURED	PROPERTY	CROPS	CHARACTER DF STORM
1		۵	F		! *	¥	لگ		0			۵	-					<u> </u>	-	
	NORTH CAROLINA (Con	t'd.	•		Ì						OHIO (Cont'd.) Celeryville	6	2 P. M.	15	*1	0	0	4	6	Hailstorm
-	Alamance, Anson, Durham, Franklin, Granville,	10	See Remarks			0	٥	5	5	Wind, hail, rain, electrical		This	hailston	trav	ereed a	west	east	cours	e acro	ss the southern its path damage
	Harnett,Lincoln,Iredell Richmond,Stanly,Vance									l 		WAS	spotty, b	ut gre	atest d	ėstru	ctive	iness v	es att	mined in the in-
	Counties	Loca dama	l squalls ge with so	me lo	ated wa	th st	odine	Cindy and	caus mail d	od scattered wind mage to crops.		2000	acres of	radia	hes. ce	lerv.	lett	ince, e	tc. su	ffered major damage d to a depth from
	Buncombe, Forsyth,	13-					1	5	5	Rain, electrical		1 to	3 inches	Onl	♦ a por	tion	of th	inse cr	ODS CA	n now be replanted. s to corn, soybeans
	Halifax, Onslow, Pitt, Warren, Wilson Counties			Le rab ce				Mar t	ha maa	sage of storm			potatoes.					ĺ	[
		"Cir	dy" caused	many	CABOS (df lo	alf	lash f	Loods	and drowning of and some wiring	Hardin, Hancock and Wyandot counties	11	evening	30+	*2-3	0	0	4	7	Hailstorm
			appliance										A severe	heilst	orm tra	ve led	a no	thear	tward	path scross
	Franklin County	20	Noon					3		Electrical			Wyandot c	puntie	durin	the	earl	y ever	dag bo	rthwestern urs. Hailstones f-balls in a path
		Pive	valuable	cattl	e Hille	d by :	ight	ning w	hile s	tanding under tree.			estimated	up to	3 mile	wid	e. 1	Lithia	this s	trip crop damage cans, tomatoes
	Porsyth County	20	6:30- 6:45 pm	1/4	100		1	4		Wind, electrical			and potat	oes we	re comp	letel	y str	Lpped	of les	wes wirtually ared that some
			re local i	hunde	ratorm.	lig	ptni n	inju	red ma	n, wind damaged			fields of much of i	seed	corn an	d soy	beans	would	recov	er partially,
			dings.		}								ĺ		ì			n tool	place	in the counties
	Harnett County	25	'-]]	2			Rlectrical	•		mentioned	above	more	spott	v dan	ige w	s repo	rted as far south- ortheast as cen-
		Two		red w	nen lig	ntnin	str	rck et	otnes	Į į			tral Huro	à coun	tv. If	this	WOLE	consi	Hered	all the same storm, gth. Property
	Gates County	26	4 p.m.					4		Electrical			damaged i	nclude e tope	d mainl and fa	∳ τ ∞ο	ting,	, sidir	g, wir	dows atc. on farms, any, greenhouses
	B B		ch struck 2-4 p.m.	PÀ 17	Sururus	2	0	5 mzn.		Rain, electrical			ware repo	ted h	it.					
	Davidson, Foreyth, Guilford, Rockingham Counties	1	1	mowne	d in fi	1	ľ		1	shouts; some	OKLAHOMA Welch, Craig County		5:30 р.						ĺ	Funnels aloft
	00423345	dia	uption of	power	and co	mini	eatio	as fac	Hite	s by lightning.		a igh	funnels at t for 20 m	oft w	ro sig	ted '	est	of Wel	bh. O	remained in
	North Carolina; all general areas	29- 31				0	3	5	5	Electrical, rain, hail, wind	North-central and Northeast Area	8	p.m.					4		Wind, rain
	4	Num	rous thun	ersto	ms ove	thr	- da	y peri	od car	sed scores of cases		Seve	re thunder s that res	s torm	moved 0 miles	sout	east hour	eard a	eress d wide	the area. Strong
		men.	and a chi le killed	ld inj	ured by	Ligh	tning	in di	fferer	l flash floods. Two t areas. Pive		cent	ered in M	eshing	ton and	uti. Iula	itie Cou	s, etc aties.	Heav.	proad light viest damage was y rains of 1 to 3
	NORTH DAKOTA Northwest counties	ı	Evening	1n ti	.	Leur	piace 		1 50	17.73			ed were re	corde	•					
	NOT CIMESE COUNCIES	,	Evening		İ				50,	Hail and severe winds	Oklahoma City, Oklahoma County	9	1:00 a.				1		L.,	Electrical
	Cavalier County	3	Evening				l			Tornado aloft	Hardesty, Temas County	1	4:00 p.	CE BO	e caus	T.		D10H U	T. U.O.C.	man seriously. Funnel sloft, hail
	Northwest N. Dak.	6	Evening	ļ			ļ	ľ	70,	Hail and strong	nardesty, issues county	Į	[-		L		L.			wind, rain
	Ramsey County	7	Afternoon						"	Tornado aloft		have	spanned a	funn	alof	t sout	h of	Harde	ty th	t moved southward end. Heavy hall
	North-central	7	Morning	l	'	·	[50,			up t	b one inch	in di	ameter	accu	ulat	ed up	to 6 i	ches deep over a
	counties				-				000			hail over	strong v	inds o	aused (ener	1 11	ht da	age a	d heavy rain of
	Southeast Counties	,	Afternoon		1			i	30,		Beaver, Beaver County	111	p.m.			1	1			Wind
	Richland County	9	Afternoon			1			25,	Tornado			was injure ding at an			iles s	spe	t of	etal :	rom a metal
	Cass County	1/-	Afternoon						000	Tornado aloft	Felt, Cimarron County	11	p.m.	<u>.</u>		L.,				π Hail
	Morton County	l	Afternoon	1	1.	2				Struck by light-		Crop	mere den	aged t	pompl	btel	des	royed	Tra	orth of Felt. Telers on Highway highway.
	•					-				ning	Tulsa, Tulsa County	13	5:00 a.	* Lei	880	100	, °	3	1	Hail
	Worthern counties	,	afternoon				0	5	4	Thunderstorms		Hail	up to one		in diam			ulate	d up to	5 inches deep on southeast Tulsa.
	Borthern countles	i	1				1		1	ald front, local		Crop	and tree	were	stripp	ed at	d ma	dy bir	de wer	killed. Strong
		thu	derstorms	were	videspr	ead o	ver t	he noz	thern	half of Ohio.	Bakly, Caddo County	12	3:30 p.	ł	*2 <u>}</u>		-	5	5	Hail, rain, wind
		hai pro	, and in	e few	cases,	heavy ron t	down	pours	of rai	n. Considerable g trees, roofs,		cro	s in the	rea.	Over 2	O ac	res c	cott	n was	lost as were
		uti dos	lity lines n poles i	etc.	At Co sh-tens	ldwat ion 1	er (M Los w	ercer ere fe	Co.), lled,	for example, a disrupting service		hour	drifted	the ha	il as m	ech a	8 6 1	nohes	teen a	at 65 miles per nd some minor
]	ove:	a wide a Idina unde	rea; e	nd in F	estor was	ia a blow	nesont n ovet	wall Small	on a factory		Games Teas	ge was at	sribut Stor	moved	e wi	nd. mard	riesvy L	rain c	Tup to 5g inches
		par	s were fl	attens ail of	d, thou golf-b	th so	ne fi Lze w	elds s ere re	ported	near Fostoria,	Oklahoma City,	13	3:35 p.					4		Wind, rain, hail
			also at G	bent (pear Ak	rom),	but	there	were i	ew other reports	Oklahoma County									electrical n portions of city
ļ	Grove City	5	3 P. M.	short	narrow	0	0	3	٥	Tornado		part	of the r	of of	radio	TV a	atio	n buil	hing e	oug winds ripped ad destroyed the t two homes causing
		A	ry small,	imat	are cor	ado	struc	k tbe	Clyde	Marcus farm west		dame	ge of \$500	and :	25. G	neid	rabl	e hail	up to	t inch in diameter
		tre	damage n	earby.	A sec	ond b	arn n	ot mor	e thar	nd doing minor 30 feet away was	ļ		Storm m							11004
- 1	· •	rett	complete	ty unt	pucned,	as w	en cpi	e rare	piouse.	150 ft. distant.										

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PLACE Section Control				PATH	Ħ	NO. PER			ATED†					РАТН	ATH	NO. I		ESTIMA DAMA		CHARACTER
The control of the co	PLACE	DATE	TIME	LENGTH OF (MILES)	WIDTH OF PA	KILLED	INJURED	PROPERTY	CROPS	OF	PLACE	DATE	TIME	LENGTH OF (MILES)	WIDTH OF P (YARDS)	KILLED	INJURED	PROPERTY	CROPS	
make to fourly compared to the		12	5:40 p.	6	+6			4	5	Hail, wind, rain		22	8:45 p.	6	*2		1	4	5	Hail, wind, rain
Sections Compy Section of Code prints, of Code prints of Code part of the code of Code part of C	Ashita County	Heav	y hail of	up to	one in	h in	diam	eter s	r boranni)	ated up to 3 inches		Seve	re hailst	orn wi	h sten	ea up	to o	ne inc	1 1n d	iameter destroyed
The state of the control of the cont		4000	acres of	other	crops.	Str	one w	inds o	besus	\$6000 damage to a		Wase	etak. Sa	me hall	dames	98.6	also	noted	in so	utheastern and
State of the control		Bass	and some	licht	planes	ware	dama	zed.	Other	Light wind damage		80U	h-central	porti	ns of	he of	of t	he omi	ng wi	nos causeu variac The greatest
Statis County Stock Design 1		hail	damage w	s not	∳d as fi	F 80	eth a	B Coor	perton	and Smyder in		des:	ruction r	esulte hes, r	i in Ele	dorado utbuil	whe	ro a g	rain e intenn	levator was blown as, etc. were
worsell. South Section 13 p. p. 1		Stor	a County.	Heavy uthea	rain o	200	•	aches	re11 d	iring the storm.		ĺ	ged. The	storm	moved	outh	168 दस	ara.		Dain
Lighting stricks to demand cont. Ay, Solla, Googe, Anniel Cont. Ay, Solla, Googe, Anniel Cont. Ay, Solla, Googe, Anniel Cont. Ay, Solla, Googe, Anniel Cont. Anniel C	urcell,	15	p.m.				ı			Electrical		27	ente of F		na Dahr	700	d no	rthwar	d Bord	
Ny fields, compay. Ny fields, compay. Ny fields of the property inverse and a large at the case of t	clain county					poo	are	rest	ting	in one youngster		sec	tion and r	b-ourv	ed thro	ugh za	orth-	centra	l into	west-central
Similarly, From a control of the property of t		ì	R grooked	uncon	2010us.	١	1			P-44-4		fro	p 3 to 6 i	nones.	Consi	āera b	Je ga	mage t	о огор	s and land result
Tumbertonic looped hardy state one a large state. Amonator respect to copy. Since the real base is been stated field hearthy at respect to copy. Since the real state of the best between the country of the state of the state of the state of the real state of the re	awnee, Payne,	14,8								Main, Wind	OPECON	Tro	wasning.	LOCAL	1 11000	rag 1	Bauto	90 m To	TR and	TI PALGETTO
resulted to origon, fielded and read as the read rish hearthy at the results a termine causing making community and produce an		Thur	derstorms	dropp	ed heav	rai	48 OV	e a j	large a	rea. Amounts	Rastern Klamath	374	Afternoon	4		0	0	4	1	Lightning
resulted along streams and parents the comman, Texas Gounty 16 618 p. Trainfall life's, Trainfall life's		resu	ited to o	ops,	fields (and r	ea.ds	es the	rains	fell heavily at	Soundy	Num	erous amal	l spot	fires	start	ed by	light	ning i	n northern and zeable proportion
Tream Founds 14 6.15 p Parallel Morty Parallel Mo		rest	able inte	e stre	ens and	ri ve	ng.	Const	Loerabi	• 11000mg		Ext	ended over	about	1,400	acres	of s	age br	ush, g	rass and sparse
minutes former a later wave of plant in the immediate rais, built, wide formers, return of course of the course of	Perhoma, Texas County	14	6:15 p.				1		.		Southwest and south	1		1		,	0	. 3	5	Lightning
live, decken Compy 11 6 500 p. Panel aloft	•									te vicinity of		1			res sta					
Thishwas County Filthw									ight d	mage and heavy			dwallad at	Man 14	41a a	احما	20000	L τ	laka C	CONSTRUCT OF COMPANY
thishems (Sty.) 17 616 p. Funcil alter was reported over postulers proting of City during severy themselvers. A warm wide was noted in the area at the time, Sawy the custod ever a warm wide was noted in the area at the time, Sawy the custod ever a warm wide was noted in the area at the time, Sawy the custod ever and the area at the time, Sawy the custod ever not time state of time state custod ever not time state of time state custod ever not time state of	ltus, Jackson County		5:05 p.		1.							to	range for	ge for	this	ear.		ļ		
Final aloft as reported ever nothers pertins of City during server thandesters. A make with make about 1 10001g. Some moved server thandesters. A make with make about 1 10001g. Some moved seem thandesters. A make with make about 1 10001g. Some moved seem thandesters. A make with make about 1 10001g. Some moved seem thandesters. A make with make about 1 10001g. Some moved seem thandesters. A make with make about 1 10001g. Some moved seem thandesters. A make with make about 1 10001g. Final aloft per make 1 11140 at the seem to control of the				ed fur	mpe) one	, mile	eas	of A	ltus s	thyed in sight for			Afternoon	•		0	ō	5	5	Lightning
Fundal aloft was reported every bouthers portions of City during severy thouseberns. A men with a sense at the time Barry with sound sees Doal Hooding. Government of the State Sees Sees Sees Sees Sees Sees Sees Se		17	6:15 p.						ļ			Non	erous sma	h fire	s resul	1 bes	ron l	ightni	ng str	ikes but only
timinals, learning of management of the State seminate County This reported funel aloft just north of only. Funel aloft	KTSUDEN COUNTY	Pun	el aloft	as r	eported	OVOI	sout	hern p	ortion	of City during		ORE	reached tern Curr	Count	y three	or f	our a	cres c	f time	ered land was
imminale, Country Public reported funnel slott just north of oity. Funnel slott Public reported funnel slott just north of oity. Funnel slott Public reported funnel slott just north of oity. Funnel slott Public reported funnel slott just north of oity. Funnel slott Public reported funnel slott just north of oity. Funnel slott Public reported funnel slott by between Names and Cushing Public reported funnel slott by seighted bell my between Names and Cushing Public reported funnel slott by seighted bell my between Names and Cushing Public reported funnel slott by seighted bell my between Names and Cushing Public reported funnel slott Public between funnel slott Public reported funnel slott Publi		tim	d. Heavy	rain	oaused :	come :	local	flood	ing.	Storm moved .		acr	¢a, some :	of which	n conta	ined	stand	s of ;	onder	sa pine, were
Packle reported funed sleft just north of city. Tomas County Tomas Cou		1					1			Pounel eleft	Seekkanned ommu meek	1				,	٨	٠	<u>ا</u>	Lightning
Format aloft was sighted helf why between Parmas and Cubing northing northesethers. Pound (ity, ay County) 12 1250 p. Public observed funsal aloft 5 miles must of Forma City. Public observed funsal aloft 5 miles must of Forma City. Public observed funsal aloft 5 miles must of Forma City. Public observed funsal aloft 5 miles must of Forma City. Public observed funsal aloft 5 miles must of Forma City. Public observed funsal aloft 5 miles must of Forma City. Public observed funsal aloft 5 miles must of Forma City. Public observed funsal aloft 5 miles must of Forma City. Public observed funsal aloft 5 miles must of Forma Lott Folice propried funsal aloft 5 miles must of Forma aloft Folice propried funsal aloft 5 miles must of Forma aloft Folice propried funsal aloft 5 miles must of Forma city. Public observed funsal aloft 5 miles must of Forma aloft Folice propried funsal aloft 5 miles must of Forma city. Public observed funsal aloft 5 miles must of Forma city. Public observed funsal aloft 5 miles must of Forma city. Public observed funsal aloft 5 miles must of Forma city. Public observed funsal aloft 5 miles must of Forma city. Public observed funsal aloft 5 miles must of Forma city observed funsal aloft funsal funsal aloft funsal funsal aloft funsal aloft funsal aloft funsal aloft funsal funsal aloft funsal	eminole County	1	1 .		1		, , , , , , , , , , , , , , , , , , ,	<u></u>	of ot to			1			inti mal	1]	'	1	
Found a loft was sighted belf way between Parmas and Cubing moring northeasters. Por County 21 12:30 p. Public observed funsal aloft 5 miles must of Found City. Found aloft between Bounds and provided for the County of the	hanne County		1 -	ì		7	7	Ţ" `		1		116	ntning st	rikes a	nd hune	ireds	of su	all sp	ot fin	es occurred.
Promose City, 22 1 12:30 p. Promose lity is grown by Promose city. Some and the process of the form of		Pun	nel aloft	TRE 8		belf :	ту Ъ	o two er	Pawne			1 810	mificant (damage.	I The i	ibur 1	helud	ded one	or at	proximately
Fullse observed funsel slott 5 siles east of Pema City. Fullse reported funsel slott 5 siles east of Pema City. Folice reported funsel slott between Hownta and Bartleville cording contheastern. Folice reported funsel slott between Hownta and Bartleville cording contheastern. Folice reported funsel slott between Hownta and Bartleville cording contheastern. Folice reported funsel slott between Hownta and Bartleville cording contheastern. Folice reported funsel slott between Hownta and Bartleville cordinates and the folice cordinates. Folice reported funsel slott between Hownta and Bartleville cordinates and the folice cordinates. Folice reported funsel slott between Hownta and Bartleville cordinates and the folice cordinates. Folice reported funsel slott between Hownta and Bartleville cordinates and the folice cordinates. Format and the policy of the Fort Roman Fill and the County of the Fort Roman Fill and the County of the Fort Roman Fill and the Fort Roman Fill And Fill and Roman Fill And Fill and Fill and Another Roman Fill And Fill and	Ponos City.	1	*							Funnel aloft		17.0	XXX acres	in rand	reland o	of The	bler	Count	t and	one of approxi-
Forming, Howata County 21 1:20 p. Police reported funce aloft between Howat and Bartlewille Borth-central and Sorth-central County	1	1 -	1	nnel al	of t 5	mile	s east	of Po	mpa City.		mat	ely 25,00	0 acres	on br	ush an	d gra	ss lar	dof	he Fort Rock	
Folior reported fundal aloft between Hometa and Eartlewille coording northeasters. Sections of the coording northeasters are sequent of the coording for the coording of the coording the coording of the coording for the coording of the coording for the coording of the coording for the coording for the coording for the coording for the coording for the coording for the coording for the coording for the coording for the coording for the coording for the coordinate of the coordinate for	Nowata, Nowata County	21	1:20 p					1.		Furmel aloft	About 50 miles east	24	Afternoo	n 1	200	1	1	1	1	Wind
Hortheastern Sections Heavy rains fill over widespread areas causing considerable washing. Amounts ranged up to 5 inches and mostly full over a chort period of time. Flooding resulted along streams and rivers. Hidare, Kay County Hidare, Kay Co	·	Pol				oft b	****	n Howe	ta and	Bartlesville	of Prineville									
Heavy rains fell over sidespreak areas causing considerable washing Annother ranged up to 5 inches and notify fell over a short period of time. Flooding resulted along streams and rivers. Elidare, Eay County Elidare,	North-central and	21,								Rain				over a	haylom	der on	the	when	they 1	ere working
Filders, Eay County Ethond. Chiahoma County Lightning street wend roofed hay shed and resulting fire Love men were struck and killed by lightning in a logging or in Hunderst value decayed a feet of fill ont the car in this character of fill this count of the car in this character were fired by lightning and another was filled by lightning and another wend wend on the wend on this wind, rain Lightning caused fire this character overed for bear in this count of the car in this character were fired by lightning and another wind street of golf and is size outs couplets of the car in this count of the car in this count of the car in this count of the car in this car as were fired by lightning and another was a struck and partially destroed by lightning and another was fall and another was destroed. The fund of the ca	Sortheastern Sections	Hee									Near Redmond	29	Morning	2	*1	0	0	1	l ₄	Frost
Ethanod, Glahoma County Lightning caused fire which descroyed a home. Lightning streek so all roofed hay shad and resulting fire destroyed 12,000 hales of key. Lightning streek so all roofed hay shad and resulting fire destroyed 12,000 hales of key. Lightning streek so all roofed hay shad and resulting fire destroyed 12,000 hales of key. Lightning streek so all roofed hay shad and resulting fire destroyed 12,000 hales of key. Lightning streek so all roofed hay shad and resulting fire destroyed 12,000 hales of key. Lightning streek so all roofed hay shad and resulting fire destroyed 12,000 hales of key. Lightning streek so all roofed hay shad and resulting fire destroyed 12,000 hales of key. Lightning streek so all roofed hay shad and resulting fire destroyed 12,000 hales of key. Lightning streek so all roofed hay shad and resulting fire destroyed 12,000 hales of key. Lightning streek so all roofed hay shad and resulting fire destroyed 12,000 hales of key. Lightning streek so all roofed hay shad and resulting fire destroyed 12,000 hales of key. Lightning streek so all roofed hay shad and resulting fire destroyed 12,000 hales of key. Lightning streek so all roofed hay shad and resulting fire destroyed 12,000 hales of key. Lightning streek so all roofed hay shad and resulting fire least roofed and killed by lightning in al logging on the Mildes sharp was fire the barre of the country of the key of the country shad and resulting fire destroyed was nearly overed by small hill all northers sections of the City. Ho significant damage was reported. Storm moved south- wind, rain Lightning streek so all roofed hay shad and resulting fire least roofed and killed by lightning and another man injured mean Kane when the shad hundred country and another man injured mean Kane when the shad hundred country and another man injured mean Kane when the shad hundred country and another man injured mean Kane when the shad hundred country and another man injured mean Kane when the shad hundred country and another man																				
Education County Lightning streek metal roofed hay shed and resulting fire destroyed 12,000 bales of May. Chiahoma City, Chiahoma County Lightning streek metal roofed hay shed and resulting fire destroyed 12,000 bales of May. Eatl, rain Eatl, rain Eatl, rain Eatl, rain Few 2/3 inch hallstones fell at airport during severe thunderstorm. Ground mas nearly obvered by mull hall in morthern sections of the City. No significant damage was reported. Storm moved southmard. Mountain Park, Liona County Mountain Park, Liona County Eatl, rain Eatl, rain Eatl, rain Eatl, rain Eatl, rain Eatl, rain Eatl, rain Eatl, rain Eatl, rain Eatl, rain Eatl, rain Eatl, rain Eatl, rain Eatl, rain Eatl, rain Eatl, rain Afternoon Afternoon Afternoon Afternoon Afternoon Evening 2 2 3 Thunderst Chief Barre Area Electrical Lightning streek metal killed by lightning in a logging on in Municipaton County and another kind thus caused a part wind caused a part wind caused a part wind caused a part wind rain wind caused a part wind caused county were fired by lightning and another kind and a part wind a part wind a part wind a part wind a part wind a part wind a part wind caused a part wind a part wind a part wind a part wind a part wind a part wind a part wind a part wind a part wind a part wind and killed by lightning and another kind and a part wind a part wind and wind caused a part wind and wind caused a part wind and killed by lightning and another kind and a part wind and wind acused a part wind and wind acused a part wind and wind acused a part wind and wind acused a part wind and killed by lightning and another kind acused and killed by lightning and another kind acused a part wind and wind acused a part wind and wind acused a part wind and killed by lightning and another kind acused and wind acused and killed by lightning and another kind acused and wind acused and killed by lightning and another kind acused and killed by lightning and another kind acused and killed by lightning and another kind ac	Eildare, Kay County	22	8 :00 a				1	4		Restrical	DEMONSTRUCTURE NEW A							o appro	XIMAT	aly 150-200
Oklahoma County Lightning struck metal roofed hay shed and resulting fire destroyed 12,000 bases of May. Oklahoma City, Oklahoma County Pew 2/5 inch hailstones fell at airport during severe thunderstorm. Oround mas nearly overed by smill hail in northern sections of the City. He significant damage was reported. Storm noved southward. Mountain Park, 22 6:50- 20 7 5 5 Tornadoss, hail, wind, rain 9:00 p. Public noted severe smill funnels drop from base of low black coloud and touch ground. Several homes and cutvilldings were damsged in the area as were T antennas, willty lines, trees, sto. A severe hailstorm with stones if golf ball size caused complete destruction to crops over a path 2 th 7 miles wide from Cooperton to Snyder. Heavy rain fell during the storm. Storm moved southwestward. Albert, Caddo County Albert, Caddo County Lightning struck and killed by lightning in a logging or in Harvestorm. Hail and indicator occurs and injured mear fane when winds caused and thile with he was rithmere are fired by lightning on and enother will annot be fired by lightning and another still annotated and proved serving and another will annotate and orealed in the wild to a pole. Home and power serving and in this two others were injured when or a mass interrupted for a period due to lightning strikes in transfer or composite to snyder. Heavy rain fell during the storm. Storm moved southwestward. Albert, Caddo County 22 7:00 p. 2½ *1½ 4 * Tornado, hail, wind, rain formado struck and initial to by lightning. Williamsport Area 14 Evening 3 Thunderst and orthogen the prove were struck and partially destroyed by ensuing fire. core were also struck and partially destroyed by ensuing fire. core were also struck and partially destroyed by ensuing fire. core were also struck and killed by lightning.		1		1	ire whi	40	stroy	red a 1	house.	Pleatedas		1				2	1	5		Thunderstorms
destroyed 12,000 bales of say. Collaboration		1	1	1	<u>,</u> ,	,,,,	h	╻.	nd rec			T		7	m 14	,	1,	·	. .	locating co-
Oklahoma Ctury Pew 2/3 inch bailstones fell at airport during severe thunderstorm. Oround was nearly overed by small hail in northern sections of the Oity. No significant damage was reported. Storm moved southward. Nountain Park, 10									1 000	Total 1110		in:	Huntingdor	Count	y and a	nother	man	injur	ed nea	Kane when stron
Few 2/3 inch haltschees fell at airport during severe thunderstorm. Ground was nearly oversed by small thil in northern sections of the City. He significant damage was reported. Storm moved south- ward. Mountain Park, 22 6:50- 20 7 5 5 Tornadoes, hail, wind, rain yind, rain yind, rain you dam touch ground. Several house and cutbuildings were damsged in the area as were TV antennas, utility lines, brees, etc. A severe hallstorm with stones of golf ball size caused complete destruction to crops over a park 2 to 7 miles with from Cooperton to Snyder. Heavy rain fell during the storm. Storm moved south- westward. Albert, Caddo County 22 7:00 p. 2½ *1½ 4 4 Tornado, hail, wind, rain Tornado struct one nile west of Albert and covered a park in the function of		22	1:25 p	•					1	Hail, rain		Num	erous barr							
the City. No significant damage was reported. Storm moved southward. Mountain Park, 22 6:50- 20 7 5 5 Tornadoes, hail, wind, rain 9:00 public noted severe; small funchs drop from base of low black cloud and touch ground. Several hones and cutbuildings were damsged in the area as were TV attentas; utility lines, trees, etc. A severe hallstorm with stones of golf ball size caused complete destruction to crops over 4 park 2 V falles with from Cooperton to Snyder. Heavy rain fell during the storm. Storm moved southwestward. Albert, Caddo County 22 7:00 p. 22 *12 4 4 Tornado, hail, wind, rain Tornado struct one nile west of Albert and covered a path 2 II. Tornado struct one nile west of Albert and covered a path 2 II. Tornado struct one nile west of Albert and covered a path 2 II. Tornado struct one nile west of Albert and covered a path 2 II. Tornado struct and killed by lightning and another kill auto accident in which two others were injured and thick two others were injured and the number of ranks of the number of the struct and killed by lightning and another kill auto accident in which two others were injured and pole. Plane and power ser injured and pole. Plane and power ser injured to a pole of containing the struct and killed by lightning and another kill auto accident in which two others were injured and pole. Plane and post struct and killed by lightning and another kill auto accident in which two others were injured and pole. Plane and pole. Plane and pole. Plane and pole in the area as were to a pole in the area were were a path 2 V a falles with from Cooperton to Snyder. Heavy rain fell during the storm of the struct and killed by lightning and another kill auto accident in which two others were injured to be auto accident in which two others were injured to be auto accident in which two others were injured to be auto accident in which two others were injured to be auto accident in which two others were injured to be auto accident in which two others were injured to be auto accident in which	ORIENDEM COUNTY										Mikes Berre Ares		1	m	-					
Mountain Park, 22 6:50- 20 7 5 5 Tornadoss, hail, wind, rain Public noted severe small funnels drop from base of low black cloud and touch ground. Several homes and cutofildings were damaged in the area as were T antennas, willity lines, trees, sto. A severe hails torm with stones if golf ball size caused complete destruction to crops over a path 2 th 7 miles wilds from Cooperton to Snyder. Heavy rain fell during the storm. Storm moved south- westward. Albert, Caddo County 22 7:00 p. 2½ ** *1½ 4 ** Tornado, hail, wind, rain Tornado severe this storm with stones if golf ball size caused complete destruction to crops over a path 2 th 7 miles wilds from Cooperton to Snyder. Heavy rain fell during the storm. Storm moved south- westward. Albert, Caddo County 7:00 p. 2½ *** *1½ *** *4 *** Tornado, hail, wind, rain Tornado severe the storm of flat roof on schoo building. Williamsport Area 14 Evening 3 Thunderst 15 Tornados, hail, wind, rain met struck and practically destroyed by ensuing fire. core were also struck and partially destroyed by ensuing fire. core were also struck and killed by lightning.		the	City. H										& Evenir	g		2	2	3		Thunderstorm
Flows County 9 100 p. Public noted severs small funnels drop from base of low black cloud and touch ground. Several homes and cutbuildings were damaged in the area as were TV antennas, utility lines, trees, etc. A severe hallstorm with stunes if golf ball size caused complete destruction to crops over a path 2 to 7 miles with from Cooperton to Snyder. Heavy rain fell during the storm. Storm moved southwestward. Albert, Caddo County 22 7 100 p. 2 1/2 1/2 4 4 Tormado, hail, wind, rain Tormado struct one nile west of Albert and covered and path 2 mile long and 1 mile wide. A barn was destroyed. The funnel traveled northwestward, A severe hailstorm contered at Albert. Stones up to 4 inch in diameter overed the ground. Crops in the area were	Mountain Park.	1	}	20	,			5	5	Tornadoes, hail.		aut	o accident	i Lauh	ich two	• ¢the	rs we	re inj	utred w	hen car skidded
oloud and touch ground. Several homes and outbuildings were damaged in the area as were TV intenders, utility lines, trees, etc. A severe hallstorm with stence of golf ball size caused complete destruction to crops over a path 2 to 7 miles with from Cooperton to Snyder. Heavy rain fell during the storm. Storm moved south- westward. Albert, Caddo County 22 7:00 p. 2 1 eld 4 7 Tornado, hail, wind, rain Tornado struct one nile west of Albert and covered a path 1/2 mile long and 1 mile wide. A burn was destroyed. The funnel traveled northwestward A severe hillstorm centered at Albert. Stones up to 4 inch in diameter covered the ground. Cross in the area were		Pu	9:00 p.	Sever	· smal	1 fur	mela	drop .	from b	wind, rain		on was	et street interrupt	and c	rashed	into a	pol	e. Ph	ope an	d power service
A severe hallstorm with stones of golf ball size caused complete destruction to crops over a path 2 to 7 miles wide from Cooperton to Smyder. Heavy rain fell during the storm. Storm moved southwestward. Albert, Caddo County 22 7:00 p. 22 *12 4 4 Tormado, hail, wind, rain Tormado struck one mile west of Albert and covered a path 2 mile long and 2 mile wide. A barn was destroyed. The funnel traveled northwestward A severe hailstorm contered at Albert. Stones up to 4 inch in diameter covered the ground. Crops in the area were		da	oud and to	uch gr he are	ound.	Sever	al ho	mes &: mas,	nd outl	oulldings were by lines, trees,etc.		for	mers.							
to Suyder. Esary rain fell during the storm. Storm moved south- westward. Albert, Caddo County 27 7:00 p. 22 eld 4 Tormado, hail, wind, rain Tormado struck one nile west of Albert and covered a path ille long and interview. A burn what destroyed. The funnel traveled northwestward. A syvere hillstorm dentered at Albert. Stones up to inch in diameter covered the ground. Cross in the area were		A	evere hai	1 toru	with s	tones	յիքը	golf b	alþ si	se caused complete	Millerstown	10	Evening					4		Thunderstorm
Albert, Caddo County 22 7:00 p. 2½ *1½ 4 Tornado, hail, wind, rain Tornado struck one nile west of Albert and covered at the funnel traveled northwestward. A severe hillstyrm dentered at Albert. Stones up to 4 inch in diameter covered the ground. Cross in the area were		∣t∞	Snyder.	Heavy	rain fe	11 đư	ring	the s	torm.	Storm moved south-				nused c	ollapse	of p	ortio	of f	lat ro	of on school
Tornado struct one mile west of Albert and oversed a path mile long and 1 mile wide. A barn was destroyed. The fumel traveled northwestward A severe hallstyn destroyed at Albert. Stones up to 1 inch in diameter covered the ground. Crock in the area were	Albert, Caddo County		1.	. 2]	*13			4	4		Williamsport Area	14	Evening					3		Thunderstorm
long and 2 mile wide. A barn was destroyed. The funnel traveled		To	rnado atru	ok one	nile w	est c	of All	bert e	nd oov	ered a path g mile		a h	ouse was s	truck	and par	tially	des	troyed	by en	suing fire. Thre
. I to # inch in diameter covered the ground. Crops in the area were	ļ	l no	thwes twar	A .b	severe	hails	storm	cente	red at	Albert. Stones up]1	con	s were als	oj stru	ook and	k41100	ı py	låghtn	ipg.	1
only canaged or deproyed. Strong minds paused canage to buildings, withitish, trees, etc. Rear 4 inches of rain fell in	,	to ba	inch indigentation in the state of the state	diame	eter oou lestroye	be ter	the strong	ground gwind	s caus	ps in the area were ed damage to										

	*		-																JULY 1959
			РАТН	Ę		. OF		ATED†					PATH	HT.		OF SONS		ATED†	
PLACE	DATE	TIME	LENGTH OF (MILES)	WIDTH OF PA (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME	LENGTH OF (WIDTH OF PATH (YARDS)	מורפס	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
PENNSYLVANIA (Cor Southeastern Counties	1t 'a	.) Afternoon	1		1	1	3	†	Thunderstorms	SOUTH CAROLINA (C	bnt'	н.) 7:40 р	 	, 				<u> </u>	. 1
	Auto	accidents	resul	ling fr	om ve	t ali	ppery	street	s caused the	northwest of Columbia, Richland County	19	7:40 p	-	-	٥	0	0	°	Funnel cloud
	deat Seve fire	mal lightn	ld and ing st	the in	ere r	of an	adult ed alo	in Pi ng wit	iladelphia. h ensuing minor	Book H411 Youla Country		el cloud	aighte:	15 ml	•	1	Ι.	1.	
Lehigh County		Might				1	3		Thunderstorm	Rock Hill, York County	1	5:00 p	d ero	ion fr	0	0	4 _	4	Heavy rains
	One :	man was el	ghtly	injure	e whe	n str	uck by	light	ning near	Myrtle Beach, Horry	8001	BilO a	amage (and into	rrup	tions	to se	rvices	
	barn		ed out						tning fired a ef period in	County	1	ing northe	ast.	_		ľ	້	"	Waterspout
Philadelphia	l	Afternoon			1		3		Thunderstorm	Eastower, Richland County	27	4:00 р.	0	0	1	٥	2	0	Lightning
	resu.	ted from	ruck a beavy	ed kill rain th	ed by at ca	ligh paed	tning. Floodi	Prop ng of	erty damage streets and	Florence, Florence	1	y was kil 10:30 p	o an	0	QEST 0	royed	2	ightni: O	Heavy rain
	base	ments.								County	i	interrup		ŀ		ŧ	-		
PUERTO RICO Orocovia	5	2 p.			1				Hail and thunder-	Rock Hill, York County	30	night	0	0	0	0	2	0	Thunderstorm
	Α.	stroke of	lightn	ne dur	ing a	heil	and t	bunder	storm storm killed a		1	tning cau		terrupt	on t	o uti	lities	•	,
	22	year old :	on wh	le fis	ing	in th	e Rio	Damión	near Orocovis.	Union, Union County	31		0	٥	0	0	2	0	Thunderstorm
Utuado		After- noon shtning ki	lled a	12 ven	l hfor	1 boy	and hi	n dog	Thunderstorm and injured an	SCOTE DAROTA	Ine	re were so	ne int	BLEUDET	omes t	p sei	Vices.	1	
	8 ;	ear old g	irl du	ding an	elec	tric	storm	in the	afternoon at	Java area, Walworth County	l	8130 p.					4	i	Tornado, wind,hail
Ceiba	28	5:30 p.	Short	Norrow			5		Naterspout		tibe .	tornado mo cost edge consed p	pf Jav	b. Ele	MOST	e în	the a	ea, h	ferm buildings at gh straight-line
	Isl	lands abou	\$ 5:50	p. and	0088	d ov	br Lun	ë in t	ers and Visques be vicinity of	Winner eros, Tripp	3	6140 p.						,	Furnel Cloud, hail,
	and	electric	light ric l	poles ght po	end r	ippin ea di	the rupte	coof f	ting down trees rom a cock fight some damage was	County	A fu	mel cloud , hail de	was r	operted grops p	5 mi	les :	outhw See	et of	wind Winner. A little es were the size
	of	the water	phone . spout	lines. over la	No 1; nd wo	ajuri s est	es wer Inseted	at no	rted. The path t more than 1/4	V P	of w	limits and							
	ш.,	e and its	CULTE	DO WES	2000	136	9 4 800	mtes.		Varner area, Brown County	1	7:00 p.	eall e	occumen	ied e	there	A .	l	Furnel cloud, hail, electrical ing easterrd.
RHODE ISLAND											The .	unnel clo	nd was	sichte	lati	Verse	r. 14	ter.	ishtning damend
Washington County	10-1	Late P.I of 10th t	ko 🙀			.	3		Rain	Eagle Butte, Deway County	34	light					4	3	Wind .
`		Early A.P	ľ					İ	·	T 0	1	of the d			build		l		l
	re	sulted in	washou	ts at	treet	con	truct	on pre	t Rhode Island ject. Rain also	Jackson County to Roberts County	7	5:00 p 10:00 p.		*70 (eerree	l'win	3 datas	5		Wind, hail Eadoks and
	83	DO to the	vehic]	es invo	lved.	No	person	al in	tal damage of uries reported. yielded 2.5 to	ł	NO THE	i northeas	tuned i	180008	the S	tete	at a s	meed a	f 60 to 65 miles oped at Murdo, royed or seriously
	3.	inches	verni	ht to	outhe	aste	n New	Engla	id.	7.4	Redf dama tuma	eld end W ed. Pive	trail	en. Fo er home ed loss	ertoe 5 weg me. H	n bes e ove	no ver	d. The	royed or seriously re were of the crop
SOUTH CARCLINA Columbia, Richland County	1	early	-	-	0	0	1	0	Lightning		4	••						s par	or research
Greenwood, Greenwood	1	morning Night	_		0	0	h	0	Thunderstorm	Turton eres, Spink County		9:00 p. buildings		aa			4		Tornedo
County	Ele:	stric and	teleph	one ser	vice	inter		; four	,	Presho area, Iyaan		6500 p	50	4	•		3	5	Bail, wind
Lexington, Lexington	1	5:30 p	-	_	0	0	. با	0	Lightning	County	The I	7:30 p.	n nort	at Ma	sd en	d mot	ed not		-
County		m and ca	r deat	royed a		1 1			I		A 11	tle later	, bail	fell s	outin	est o	d Whit	e lab	st of Reliance. in Aurora County.
Eastern, Central and Northern South Caro-		10:00 p-8		about 100 mi	1	0	5	5	Tropical storm	Mobridge, Valuerth County		445 p.				1			Mehtning
lina	Bene	ficial of	Tects	of Cind	far	out	weighe	d dama	ze. Most damage		VILE VILE	injured p thrown to by was sp	erecon i the g Lit to	nea been round as the are	d ro	Lied	terid	- 61	utemobile and temos. A tree
	dev	loped fro	n extr	proly h	savy	reins	in Ce	ntrel	and Northern South	Isehel, Devey County	17	9:00 a.			1				Lightning
Mt. Olive section, Horry County	9	M.	-	-	1,	2	0	0	Lightning		A bo	y was str 4.	ok by	11ghtn:	ing v	متند	wa Ilcin	g thro	ugă en alfalfa
Twenty-five miles east of Charleston, about Dorchester County	n	11:55 a	-	-	0	0	0	0	Waterspont	Codington County	A so	2:45 p. all fume rtom. I	i clou	twas sipated	ghte min	1 15 ates	miles later.	northu	Pannel cloud est of
Lyman, Spartanburg County	11	2:00 p	-	-	0	1	0	0	Lightning	Eastern counties	Hall	Afternoon was sont of the d	tered :	st inter	vals	alor Setal	g the	Big S1	Sail our River. th of Vatertown.
Isle of Palms, Charles ton County	-13	7:12 p	-	-	0	o	0	0	Waterspout	Miner and Kinsbury Counties	20	Afternoon	25	=5			3	4	Sail, wind
Woodruff, Spartanburg	17	6:15 p	-	_	0	o	3	0	Windstorm	,	Hed.	fell from	nort	ropert.	den	allo a	enty t	o sout	strong winds.
County	ı	,	1		1	ļ [

																			JULY 1959
			РАТН	Ę		OF SONS	ESTIM DAN	ATED¹					PATH	Ŧ	NO. PER		ESTIM.	ATED†	
PLACE	DATE	TIME	LENGTH OF P (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPs	CHARACTER OF STORM	PLACE	DATE	TIME	LENGTH OF P (MILES)	WIDTH OF PATH (YARDS)	KILLED	NJURED	PROPERTY	CROPS	CHARACTER OF STORM
SOUTH DAKOTA (Co.		1 '	35 35	*10	Ē	2		J	Hail, wind	TEXAS (Cont'd.)	l ≦	F	"	\$	×	ž	<u> </u>	5	
The second second	The	afternoon	rted 1	a the s	outhw	ester	4 n part	of the	e county and	7 NW Skellytown, Carson Co.	10	5:30 - 6 pm	15	NS	0	0	1		Wind
Wakunda area, Clay County	22.	6:30 a.	- ON MALCO					4	Ea11		piec	ed garage s of shee ed from t	tmetal	scatte	red o	ls ir Ver 1	home ide ar	oracke ea, le	d and broken, rge limbs
	The but		north lant e	east of cough t	Walko be	nda. Secop	The st ed fro	ones v	ere not large, ground.	Canyon area, Randall Co.	10		30	нŤ	0	0	h	Ł	Hail
TENNESSEE Knoxville and Vicinity Enox County	10	after-				1			Wind, hail, rain			ged large ge. Accom				end (rain :	orghu	, much roof
		n sustain							and lightning ead by a blown tree aged several home	lk NE Amerillo, Potter Co.	10	6:05 - 6:20 pm		500	0	0	4		Hail
	- ALLDIA	uprooted a ens and fr	ever a.	T fiees	l nm	L mo	TO DO	if hal	50-foot flagpole 1 size damaged	MoLean, Gray Co.		z Village 7:15 -	and U	S. Ebry	60, 0	damay O	e to r	,,,,	windows, autos. Wind
Sevier, Anderson and Cumberland Counties	10 Hei 1	heavily o	lamage	crops	81.	e was	repo	rted u	Hail to golf ball			7:35 pm.			-		, 	-	tiron warehouse,
	8126	TU SeATE	Coun	on and	Cumbe		Coun	des a	nd up to baseball		reld:	ng shop a	nd dai maa,	ry barn power 1	dan nes;	aged 23 1	partly ruckle	built ads of	home and two tree limbs
Knoxville, Knox County	15 A W	o:15 p.	the to	lephone	was	1 knock	ed un	onsci	Lightning us and received	Estelline to Tell,	2.75	rain in	one ho	r.	0	0	0	•	rumel
Taganatta ()	via	the phone	when]	Hightnir	gstr	uck a	tree	and e	tered the house	Childress Co.		south, d		touch	1				r wellti
Lafayette (near), Macon County	l	,	W8.8 8	truck b	y 11g	ł	g and	burne	Lightning to the ground.	Hedley srea, Donley Co.		8:30- 9:15 pm	20	ж 6	0	0	-14	. С	Wind
Tullahoma, Coffee County	21 4 13	after- noon -year old	boy w	a knock	ed do	un an	d daze		Lightning s playing golf		IJ5 ₩	brest wind indmill to brailer ho	wers.	20018 0	r out	erd : buil	ein e	rt. 1	o 3", damaged ns, TV antennas.
Chapel Hill, Bedford	24	lightning				,			Lightning	Mamphia area, Hall Co.	10	8 to 11 pm	9	мь	0	0	6	c	Hail, wind, rain
boaring .	ano	sere repo	paini	nul abdo	(mina)	burn	. ശവ	waa at ya fe	ruck by lightning w sprinkles of	, i	Rail cott	h ⁿ rain	and hi	gh wind s. In	s bet Normi	ween	Estell grain	line a	d Parnall damaged or and drive-in
Sevierville, Sevier County	25 1.1gh	tning stru	ek and	killed	a ma	ı ope	rating	a far	Lightning m tractor.	1	movi outb	e soreen w mildings s	ere bl nd TV	own dow antenna	n, wi	ndow bess	, root	s, tr	es, windmills, eart of general Cottle County,
TRIAS Port Arthur,	2	1:15 pm	abort	DATTON	۰	0	Į,		Tornado	2 N Rio Medina,	abou 11	t 75 miles	lengt	h in al	i. 0	0	3		Tornado
Jefferson Co.	Small	-	noving	northe	ast p	icked	-		uilding, dropped	Hedina County	Brok		f tree	a, dama			-		s off windows,
Andress, Andress Co.	la .		•		•		6		Hail, wind	Big Spring, Howard Co.		կ։50 am			0	0	5		Electrical
	snap	ng thunder ped power town. Wi	lines,	prop	telep	hone	poles.	damau	ifted roofs, ed homes all	,	conn	ng beavy t bry club,	hunder 75% lo	storm 1 88.	lghta	ing.	rterock	and so	t fire to
2E to 3E Silverton, Briscos Co.	6	2:30- 3:20 pm	31	200 to 143	0	0		4	Hail, rain	Lamesa, Dawson Co.		6:112 ear 11:30 -	10	N 1ª	0	0	0		He11
	30 VC	ral farma;	more	than li	rein				cotton stalks on maged cotton.		of L	mesa, dan	o SNI, agesto	extende erops.			ercorina	tely (H to 15 and 24
2 B Vidor,	1	est. gust 3:05 pm	s 70 t	20 80 mg	h. 1	0			Electrical	Rr Claude, Armstrong Co.		abt MM not touch	ground		•	0	0	0	Funne). .:
i		en killed	by 14	ghtming						Lake Texama, Grayson Co.	13	Btam 1:30 & 2 pm	short	DATTON	0	0	3		Tornado
Bay City, Matagorda Co,	}	11:47 am	ground	ļ					Fume1	i I	quant	ed. Anot	boatho her bo	use, 20 athouse	boat lift	e der	aged a	nd sur roof	k, 10 others of a third
Fort Meches, Jefferson Co.	Į	3:30 pm	. ~		0	0	5	i	Electrical	Freeport,	narra.	ed stay,			0	0	0	0	Funnels
	from pain	the fire, damage t	carri amos c	ed by e	aster and c	ly wi	ලේ නො	rox. 2	yed it. Particles O mph, caused ered through the	Tennessee Community,		hted, did 5:15 pm	not t	nich Er	ound. 2	5			Electrical
18 MR & 62 MB Muleshoe, Bailey Co.		bass distr h:30 pm	LUG BT	TIME O	. OTB	at.	Į,	Ħ	Tornado, hail	1		baing start	-	Ť.		1	pers.	Но га	in, for clouds.
	Tr. ST	Arvances so	ı wee	173008	DOM:	a. D	mine	heavy	lers smashed, thunderstorm utes, one area,	ME portion Moore Co.		7:05 - 7:30 pm	10	500	0	0	<u>t</u>		Tornado
27 SW Muleshoe.	cana	d heavy c	op da	mage.	1	or mar	1U			.	fron	SE toward	m.	Part of	hail	stor	descr	ibed 1	
Bailey Co.	Man	plasting o	ranc	h Hille	- 1	-	ning.		Electrical	HE portion Moore Co.		7:15 - 7:30 pm	10	ж рў	٥	0	3		Hail
Matagorda Co.		abt 6 am lpsted at	5:25 a	.					Waterspout		Move rain	i SK, majo	r dame	ge to g	rain	sorgi	om in	poot	stage. During
Btwn Spearman, Hans- ford Co., & Moore, Frio Co.		5:30 pm	7	500	0	0	4		Tornado										
1	NDB 8	d. Lengt rain elev damaged.	etor a	ath giv ad 2400	n er bush	eya wi e appr eppea	rocins rocins	a fur te, at estroy	nel not touching McKibbon, Texas. ed, windmills in										

			PATH	Ŧ	NO. PERS		ESTIMA						E		NO.		ESTIM	TED!	
		1	D. I			10113	DAMA	\GE	.1	[i	PATH	Ε	PERS	SONS	DAM	AGE	
	DATE	TIME	ENGTH OF (MILES)	IDTH OF PA (YARDS)	KILLED	NJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME	LENGTH OF P (MILES)	WIDTH OF PATH (YARDS)	מורופס	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
	ă į	-	ا د	*	¥	ž	<u>a.</u>	Ü		TEXAS (Cont'd.)		-		*	~				
TEXAS (Cont'd.) Vega, Oldham Co.		Btam 7:10 - 7:10 pm	8	м 6	0	0	3	5	Wind, hail	Edmonson, Hals Co.; Hart, Castro Co.; and		late aftn		H H	0	٥		3	Heil
w.	ind	est. 60 t	90 n	ph bles	2 tar	ailer	house	s off	foundations,	Olton, Lamb Co., great	Hail farm	some gol rs report	Chall ed tot	mise, s al loss	bripp •	ed oc	tton a	nd dan	aged feed. Some
j IS	SOL A P	windows, oe static and crop	n garq	ge demod	TTSDO	ngs, l	olfbal	tree:	and shrobbery.	Whiw Jefferson County Airport	22	12։Ա 12։Տև Ո	٠,		0	0	0	0	Funnels
}		night	25		0	0	3	3	Ha11	•	Funn		oined	by amot	her,	both	diani	ated,	did not touch
Deaf Smith Co.	rop	damage 50	i to I	00% in	Frio	Commu	ulty,	cotto	and row crops	Camyon, Randall Co.	22 22	d. Btam			o	0	4		Hail, wind
i I	- 1	7 am	magous	mery	0	0	5		Electrical			3 & Lipna		4			ha43 .	L	e them 1" dis-
מ)uri	g storm w	hich =	oved Mi	, lie	htnin	g stre	ck bu	iness district,		meter	, driven	by str	oud ess	t wir	4.	torn	oved a	outhest.
		nt damage			murRo	ە ر ە	011 011	Se en	contenta,	Midland area, Midland Co., and		5:30-7 ps			0	0	<u>t</u>	-	Hail, wind
Jafferson Co.	-	9 am			0	0	0	0	Funnel	Stanton area, Nartin Co.	фала	red cotton	, dame	ged far	n and	RATI	ten on	PS 070	O mph heavily r hundreds of from lumber shed,
1 1	- 1	uct touch 1:35 pm	ground	•	0	٥	0	0	Fumel		gara buil	ge and wat lings dame	er tan ged (!	kg. well idlend)	a of	lumbe avy l	r she mil d	buck page (od, several
Haskell Co.		ed dust, d	id not	touch		1	٠	J		3 NW Anton,	in n	sarby Stan 9:1:0 pm	ton ar	ea. St	OFE S	Oved	south O	est.	Funnel
,	- 1	2:33 pm			0	0	0	0	Pumel	Hockley Co.		not touch	ground	•		١	"	ľ	Fumer
, p	ţ	not touch	ground							Mr Sebastian, Willary Co.	1	5150 pm			0	0	0	0	Tornado
Taylor Co.	- 1	2:50 pm ned ground		terily	0	COMM	O tawa	0 Pilot	Tornado report.		Touc	ned ground	MOMEN	terily.					
M of Growley,	- 1	2 pa		ر پيد عما	O	0	3	3	Electrical	Brazoria, Galveston, Harris, Chambers,	21 to		1500	H 100 to 20	0	0	.6	G	Buricane
Tarrant Co.	ldgh	bing start	ck and	fire	estro	ged b	ay bar	n and	600 bales of hay.	Jefferson, Orange & Liberty Counties	26 The	eve of Hur	ricana	Debra	ras c	enter	est orn	r Dici	rinson, Texas, st
N of Roscoe, Nolan Co.	19	abt 12:30 M			0	0	0	0	Funnels	-	7-8:	O am of t Lonwas re	he 25t carded	h. The	lawe s poi	st r	porte 19.13"	press High	ure by a land est wind was 80
2	e eur	mels seen	, aua	not tou	ch gr	ound.					3 to) mph with 5 feet ab	ove no	rmal in	Galy	esto	Bay.	Morga	mere generally in Point on the tide as 7.9'
Sabine Pass, Jefferson Co.	19	2:15 pm			0	0	0	0	Furnel	-	mal. Texa	Rainfall	was h	caviest r store	alon	g the Fall	total	Texas	ocast, Orange,
P		report;	did no	t touch	_	ł					the Texa	Ne was 5	miles age ra	northes dar obs	st of ervat	Clevi	Diam	ter of	, according to the eye at y 10 am of the
1 1	1	aftn ming stru	ok and	Miled	1	1 h f1s	hine i	n Teli	Klectrical		26th turn	remnanta ed northre	of Deb stward	ra were into o	loca	ted 1	ahoma	ler,	exas. Dohra
C	omp	mion burn								10 NW Kemedy,	Rive	near Par	is, Te	maa, ab	out 6	pm (f the	26th.	
30 SM Jefferson County Airport	19	3 pm.							Waterspout	Karnes Co.	i	night destroyed	2 ber	ոց, կ ա	#1374	A bo) les; r	infall	Tornado 2 to 3-1/2".
Gregg Co.		10 am			0	0	5	0	Electrical.	Hr Houston, Harris Co.	'	6:18 am	1		Ō	0	0	•	Famel
1	hund	ning stru lerstorn n ints.	ck 80, oving	000-bar SE, Ta	rel o nk ex	il str plote	orage d, fir	tank o	buring heavy royed it and	Consales grea,	D14 27	not touch	ground	.	0				Electrical
20 RSB Jefferson	20	11,17 -			0	0	0	0	Tornado	Consales Co.		e struck i	y ligi	tning,	1	1	1	l	
County Airport		ll:20 em	tome be	d aroun	d hed	-77	no de	mo <i>c</i> e.	· u	Jollyvilla, Williamson Co.	27	5:41 pm			0	0	0	0	Funnel
10 NE Houston,		11:35 am		. g. 000	0	0	٥	-	Funnel		l	d ENB, did	not 1	onch g					
1 . 1		ot touch	ground	, diasi		- 1	tly t			7 ME Corpus Christi, San Patricio Co.	`	9:45 am not touch	gram		٥	0	0	0	Punnel.
18 SE Jefferson County Airport		12:08 - 12:17 N			0	٥	٥	0	Furnel	UTAH Salt John City	ļ		ľ	[
1		ot touch	·	•						Salt Lake City, Salt Lake County	Bold	Afternoon of lights	Ī	truck a	lara	l tare	2	,	Lightning
Parmer Co.		5 pm.	2		0	0	2		Hail, wind							a wi	re int	a be	idence. The droom, causing oked from
1 12	10EV	g violent ly damage n. Storm	d ecrop	s. Som	e cot	ton	estroy	ed, W	d high winds ndows on farm	West Mountain, Utah	bed,	suffering	mino	injur	•		4		Wind .
1	20				0	0	0	0	Punnel.	County	Нıф	winds der	olish	d a ch	oken	GOOP	l -	test	shed and a
D	nd a	ot touch	ground	•						VERMONT	macr	ne sned.							
Milam Co.	- 1	6:50 pm			0	0	°	0	Funne 1	Troy	Bar	Afternoon windows	facing	north	O Tere	O kmoci	5 and on:	5 Ha:	Electrical, hail l,up to 1 inch
1		MB, eid 11:23 -	700 تا ت	win gro	omd.	0		0	Funnel	VIRGINIA Richmond and	İ	eter, des	i	auch C	+ cox	ye eri			
Airport		11:28 am	,,, a			ata r	sot to		,	vicinity	1	Midnight- 7:00 a.					°5	С	Electrical storm with heavy rains and locally
1	21.	3:45 -	14	300	0	0	5	-	Hail.		Heav	y rain (4.	5 incl	es at 1	BAS,	Rich	mond)	accomp	strong wind. anied thunderstorm mmunications,
		4:05 pm	ایس		ath a	, ,	_ ,	الماليون	l and Swigher		of r	upted power	r serv treets	nice and	tem; east	l4 f	ily bl ire al	ocked arms s	low lying sections ent firemen to
	ount	ies exten	ling f	rom his	to 10	SW d1	Bapg	r. Wi	nd moderate; tother crops		resi	dential an	d com	ercial my est:	estal	blish	ment f	lres.	Minneapolis Honey strike caused

	i		I		NO	OF	ESTIM	ATED†					I		NO	. OF	ESTIM	ATEDI	
			РАТН	Ę		SONS		AGE					PATH	¥.		SONS	DAM		
PLACE	DATE	TIME	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
VIRGINIA (Cont'd.)									WISCONSIN (Cont'd	.)8	4:54 p.	Short			3	4		Tornado
lugusta County South of Waynesboro	1	1:30 p.	10	100			°4	C	Tornado	County	1 .	hed down	į.		talv			Exte	naive damage to
	two	demolished	farm	buildin	ngs, i	ever	1 dam	aged h	ing in its wake omes, hundreds le gardens.			s, power							
	Torn	adic winds	were	ассопра	nied	by h	avy r	ain an	d hail. 1000 ilding was taken	Southwest Corner and Southern Part of State			ļ						Hail
	off.	Distrib	tion o	f wrec	age	onfi	med t	ne sto	rm as a tornado.	·	Hail hit	, wind, a were Vern	nd rai	n did e ık, Roc	ktens k, ar	d Dur	ni Coma probgs	nage. ties.	Areas hardest
Fidewater and Piedmont Sections of State	2-3	During night					۰4	C	Locally severe thundershowers	Milwaukee, Milwaukee	17-18								Rain
	A nu and	mber of lo	calit:	es were	hit Peter	by d	magin z-Hope	g wind	s, heavy rain, Newport News		east	Milwauke	э гесо	rded 3.	50 in	ches			24 hours. North- d 20 minutes.
	and	Lynchburg	areas	reporte	d da	age	to bui	dings	trees and	WYCHING	Many	streets	and ba	sements	floo	ded.			
Postsmouth, a few	10			Narro	4		3		Tornado	6 miles west of	ц	afternoor			1	2			Thunderstorm
miles W and SW		-8:45 a.		Ĺ., .,	ļ.,					Big Piney	Lig	ntning kil	led or	e man s	nd i	jure	d two	others	
	COME	idered to le storm.	be two	, but p	probal	ly a	eas h	t (3	orm was at first miles apart) by	ILLINOIS				İ	ı	1		í	
Grayson County,		After-		300		li	۰4	С	Tornado	Orangeville	10	6:15 pm							Funnel cloud
between Potato Greek, Va. and Turkey Know,		ncon										nel remai:			move	d tow		e sout	
N.C.	Tree	s uprocted barn demol	, hail ished	and wi	ind de 1 cle	maged ud of	toba serva	co cr	ops, at least	Oregon	10 Sme	7:30 pm					4		Tornado ed outdoor cinema
Charles City Area- 23 miles SE Richmond	10	11:25 a.		Narros	1		4		Tornado		BCT	een near	Thite	Ines S	ate	Park.	No d	amage	to nearby trees,
			d on k	i lestove:	r Plan	itatio			loud observed.	De Kalb	10	8:00 pm		60			4		Tornado
outheastern section f State	10	During day					94		Remmant of Hurri- cane Cindy		Tor	nado movi: the munic:	ng tow pal a	ird the irport,	sout	heast	wreck	ав	mall hangar
	COB	t just no	th of	the Han	pton	Road	s area	about	r reached the 3 P.M. from its	Northeast Illinois	10	8-9 pm				2	:	:	Wind, lightning
	rai	s and at	Least	two tor	nados	MELE	repor	ted or	Locally heavy the 10th. Rain general by the		Hea	vy thunder	storm	with t	rind	gusta	as hi	gh as	70 mph damaged ng from De Kalb
	slo	moving o	old fr	ont ove	the	Арра	lachia	us on	the 10th.		and	Sycamore ured when	to the) wester	n Ch	leage	subur	ba. I	wo persons were
orfolk, 15 miles orth over bay	16	2:35 p.							Waterspout ob- served by pilot	Grayslake	29	early					4.		Wind
rayson County, icinity of Galax	22	1:00 p. -4:00 p.	}	1		1	°3	C	Heavy rain, flash		Dur	morning ing the e	rly mo	rning	or or	eviou	s nigh	t. thu	nderstorm wind
	3.7	inches r	infal	1 betwe	en 1	and 4	P.M.	led to	flooding and		gua	ts wrecke	i seves	al fair	grou	nds t	ents.	ļ	
Lexington-Buena	24	3:30 p.	OFB	everal .	ramil	Les n	rom ho 2	mes 1r	lower areas. Heavy rain, flash	Pecria	30	7:20 am	l		1	_	l	<u>.</u>	Electrical
ista area		-4:30 p.					~		flooding		lig	an fishin htning st	ruck ve	ry clos	e to	him.	linois	Hiver	died as
	2.0 bri	inches r ges. halt	infal d tra	l withing the state of the stat	n one d flo	hour pded	washe low ly	d out ing se	several small ctions.	Centralia	30	5:40 pm					3		Tornado
orfolk, 5 miles SE	26	1:00 p.							Funnel cloud ob- served. No		Pro	bable smai (Further December	refere	nce to	this	stor	h will	appea	ge near Centralia. r in the
Ceana, 10 miles ESE	31	11:28 p.							damage reported Funnel cloud ob-	'							•		
of WBAS, Norfolk									served. No damage reported	* Wiles inste	ad o	f varda							
WASHINGTON Rastern	27				0	0	3	5	Wind and dust	° Includes cr									
	Hig	n wind can	sed po A plat	wer fai	lures	in	ariou	loca	ities in eastern in Ephrata and a		es a		 ed in	catego	ries	s vai	ying	from	1 to 9 as follo
	TO0	f over a I	umber	rack at	Omei	was	destr	oyed.	The greatest	1 Less tha 2 \$50 to \$	500								
	Pre	liminary o alities.	stimat	es plac	100	e at	10 to	30% o	orop in some	3 \$500 to 4 \$5,000 t 5 \$50,000	o \$5	0,000							
WEST VIRGINIA untington	27	9:00 AM			1				Lightning,	6 \$500,000 7 \$5,000,0) to	\$5,000,0							
-	Man	in open s			ning				heavy rain elter. Heavy rain	8 \$50,000, 9 \$500,000	000	to \$500,	000,0	00	•				
	caus		g of						r entered several	States and term									ted no
WISCONSIN breen Bay, Brown	5	đusk	20						Hail	storms or unusu	um I V	eather]	hiredol	rena a	ur i N	g cn	⊎ mon	vM.	
county	Hai	. storm ps	plus seed a	long a	parro	v pati	h acro	as the	city, leaving as	Note: This pul	ficul	lties in	heren	t in c	olle	ctio	n of	this	type of data,
	was	as 3 inc done. Th	hes of	i-inch n inten	hail sifie	on ti	he gro th hai	und. 1 reac	No material damage	it is not all- ried in the Ju	inclu	isive.	Delay	ed dat	a an	d co	rrect	ions	will be car-
•	ove:	about 20 a path a	mile	ride.	east	; hex	8 1t 8	cr1ppe	d all vegetation	SUBSCRIPTION P	RICE	: 15 ce	nts p	er cop	у; у	earl	y sub	scrip	tion \$1.50 .
La Crosse - Sparta La Crosse and Monroe	8	early afternoom				6	3 .		Lightning	domestic, \$2.00 able to the Su ence regarding	peri	ntendent	of D	ocumen	ts.	Rem	ittan	ce an	d correspond-
cunties	Rum	rous stri	kea.							Documents, Gov									
I4 III II	8	mid-	Short		1		4		Tornado					u	SCOM	M-WE	-Ashe	ville	- 8/31/59 1000
larrisville, Marquette County		afternoon																	